

DUPURATE

*#22
09/12/24/02*

FIG. 1

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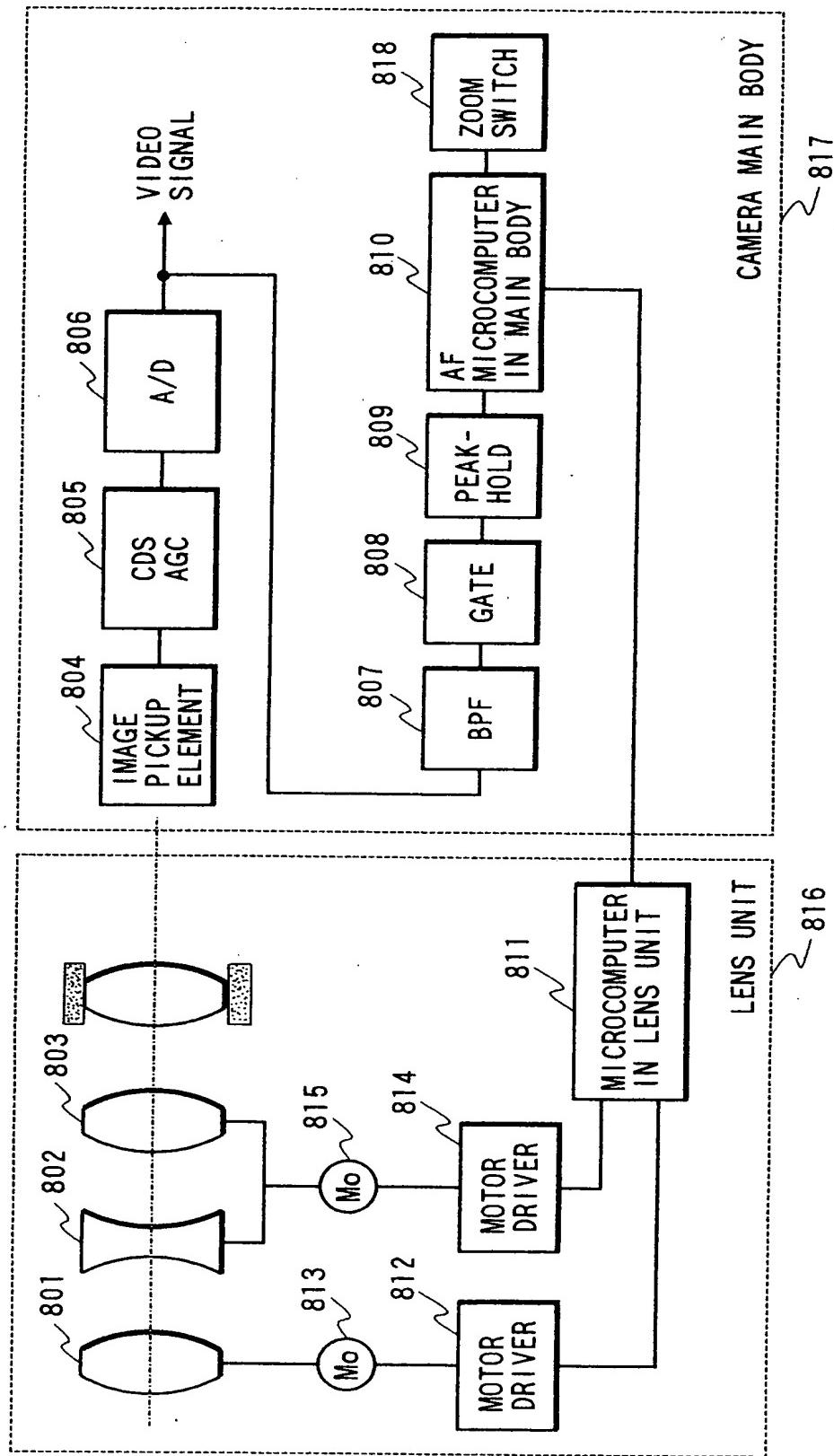


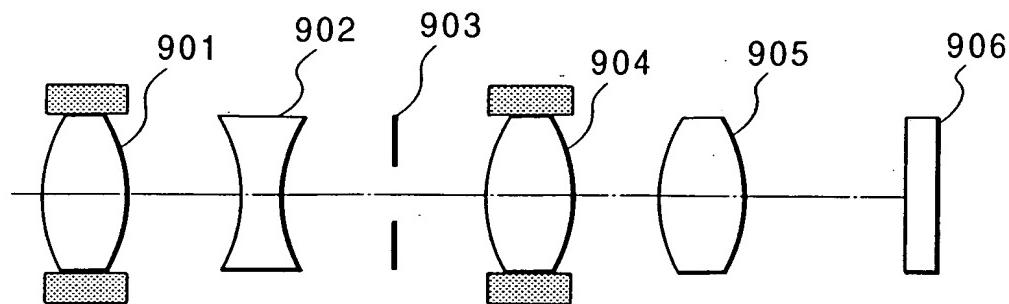
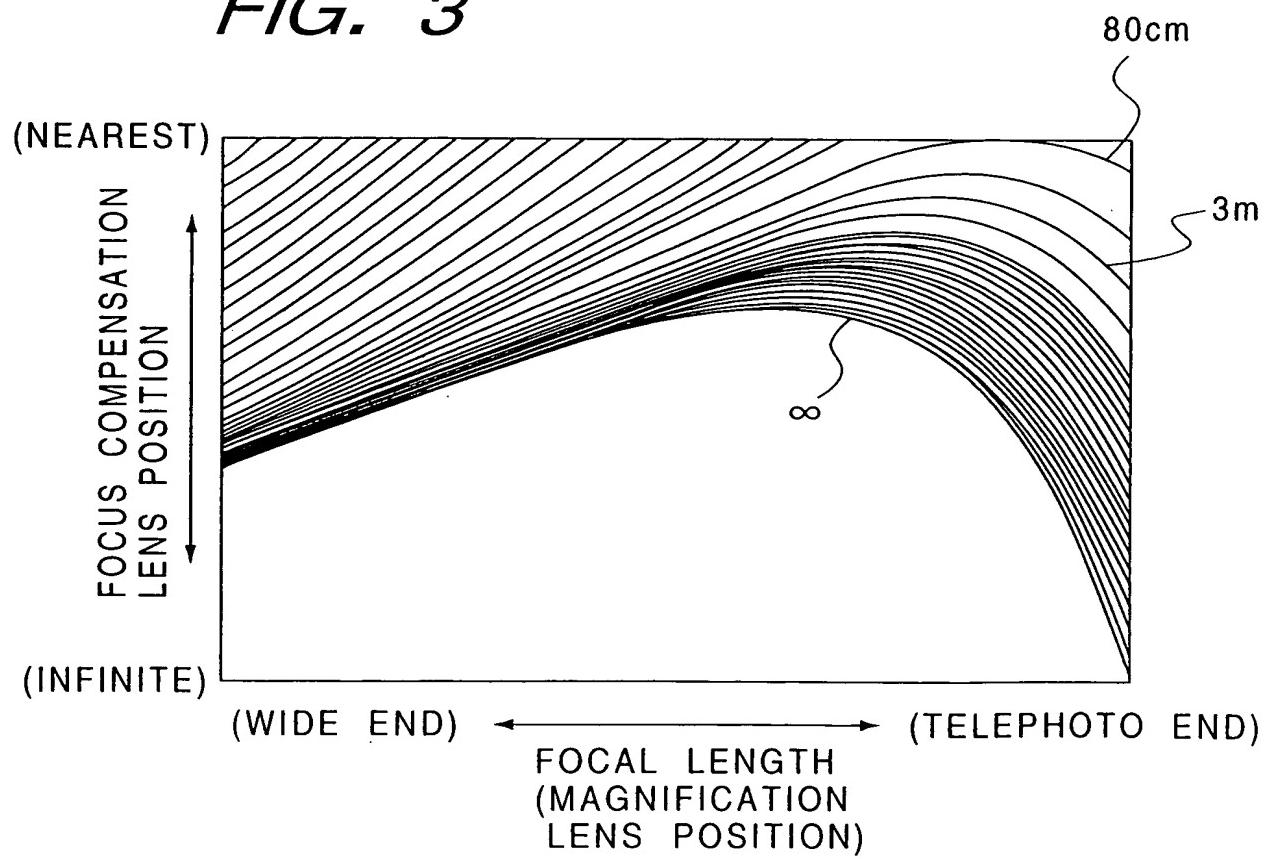
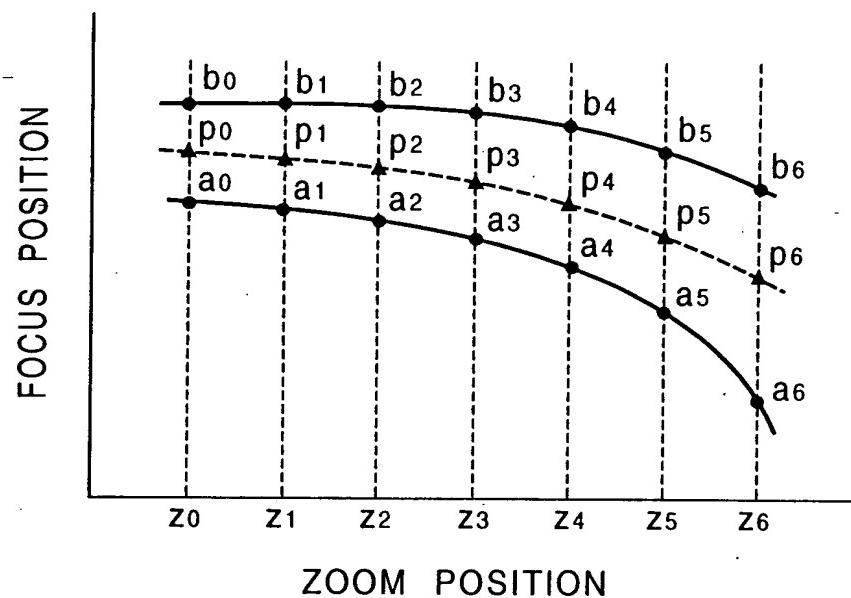
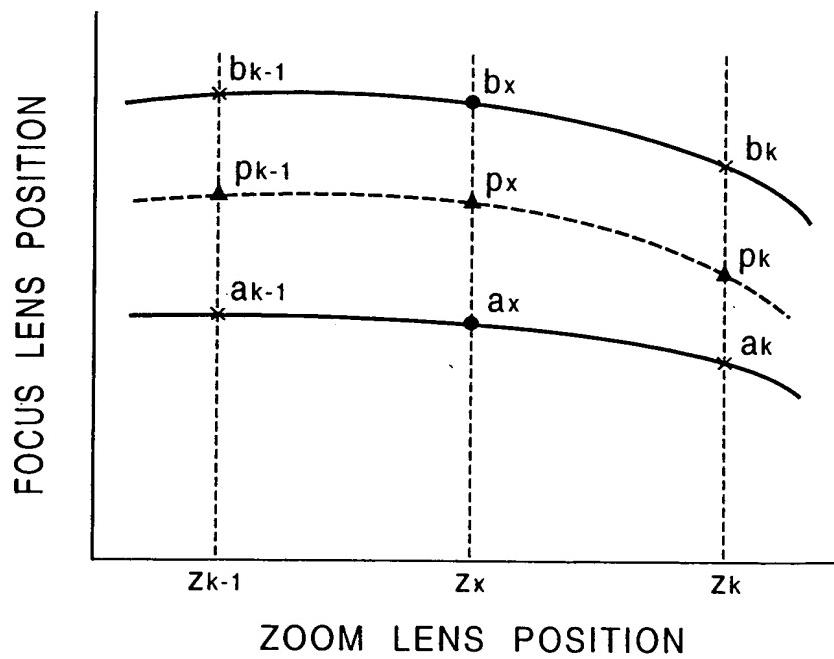
FIG. 2*FIG. 3*

FIG. 4*FIG. 5*

$$a_x = a_{k-1} - \frac{(z_k - z_{k-1})(a_k - a_{k-1})}{(z_k - z_{k-1})}$$

$$b_x = b_{k-1} - \frac{(z_k - z_x)(b_k - b_{k-1})}{(z_k - z_{k-1})}$$

FIG. 6A

FIG. 6

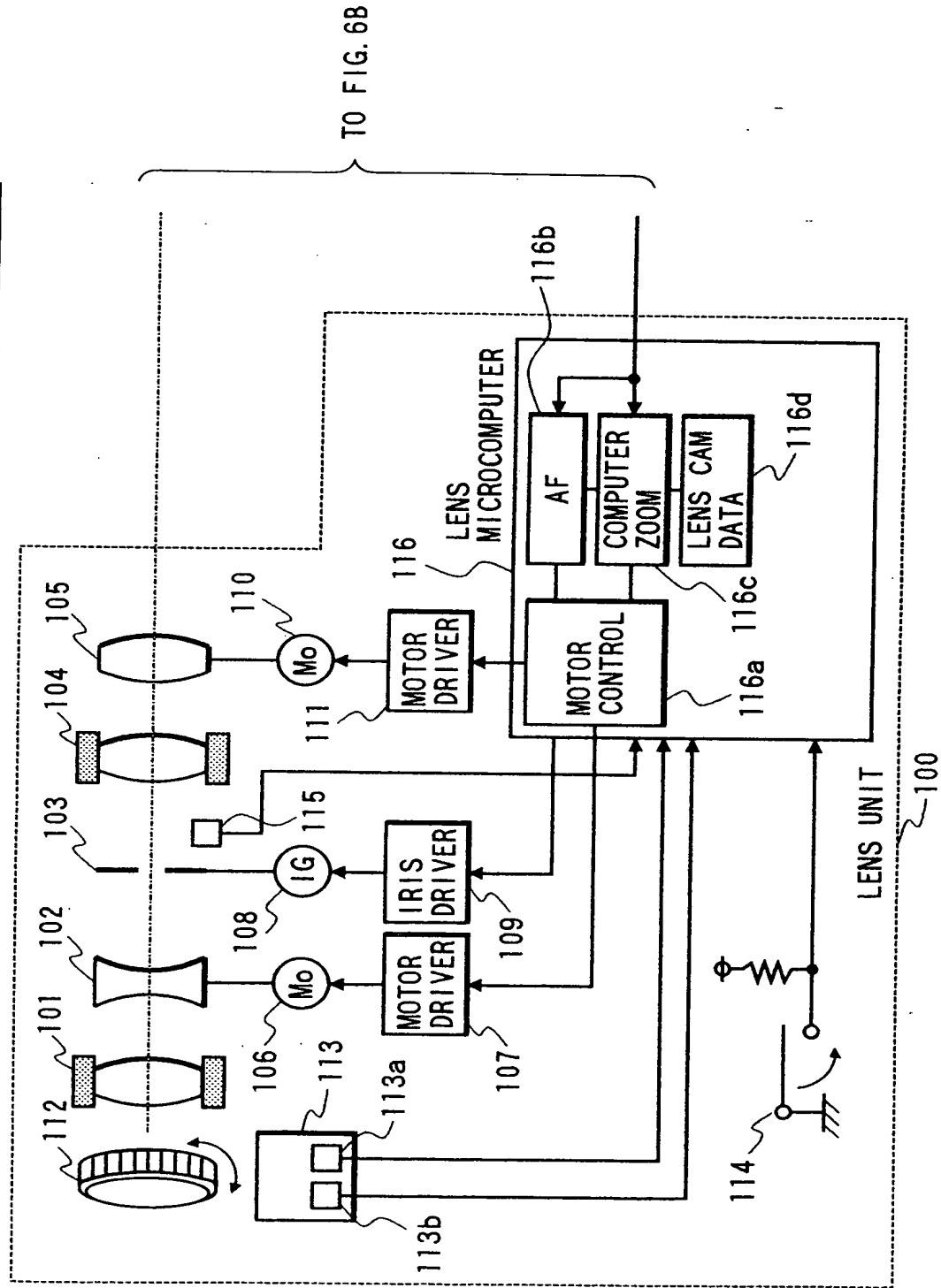
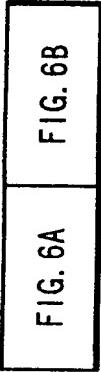


FIG. 6B

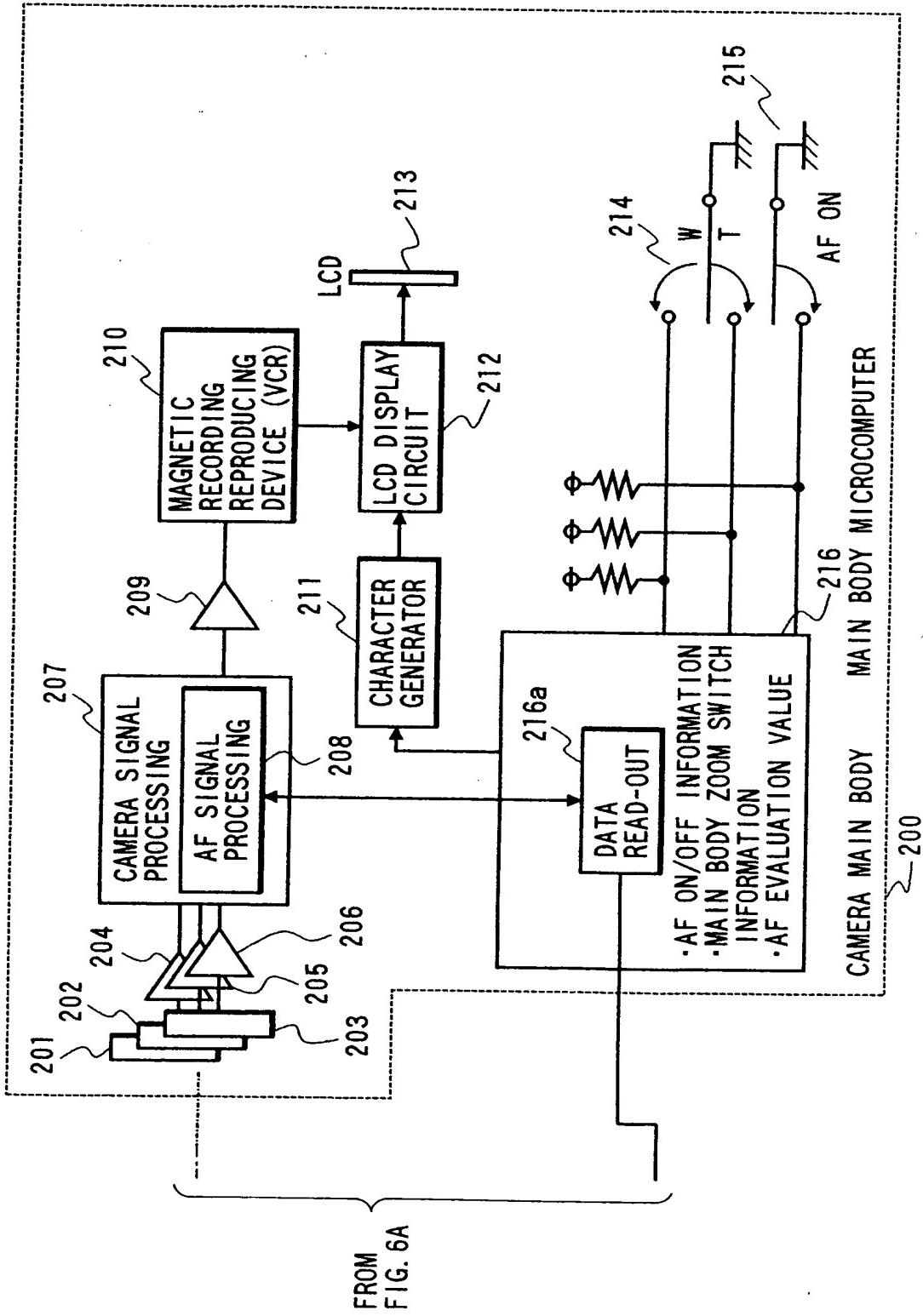


FIG. 7A

FIG. 7

FIG. 7A

FIG. 7B

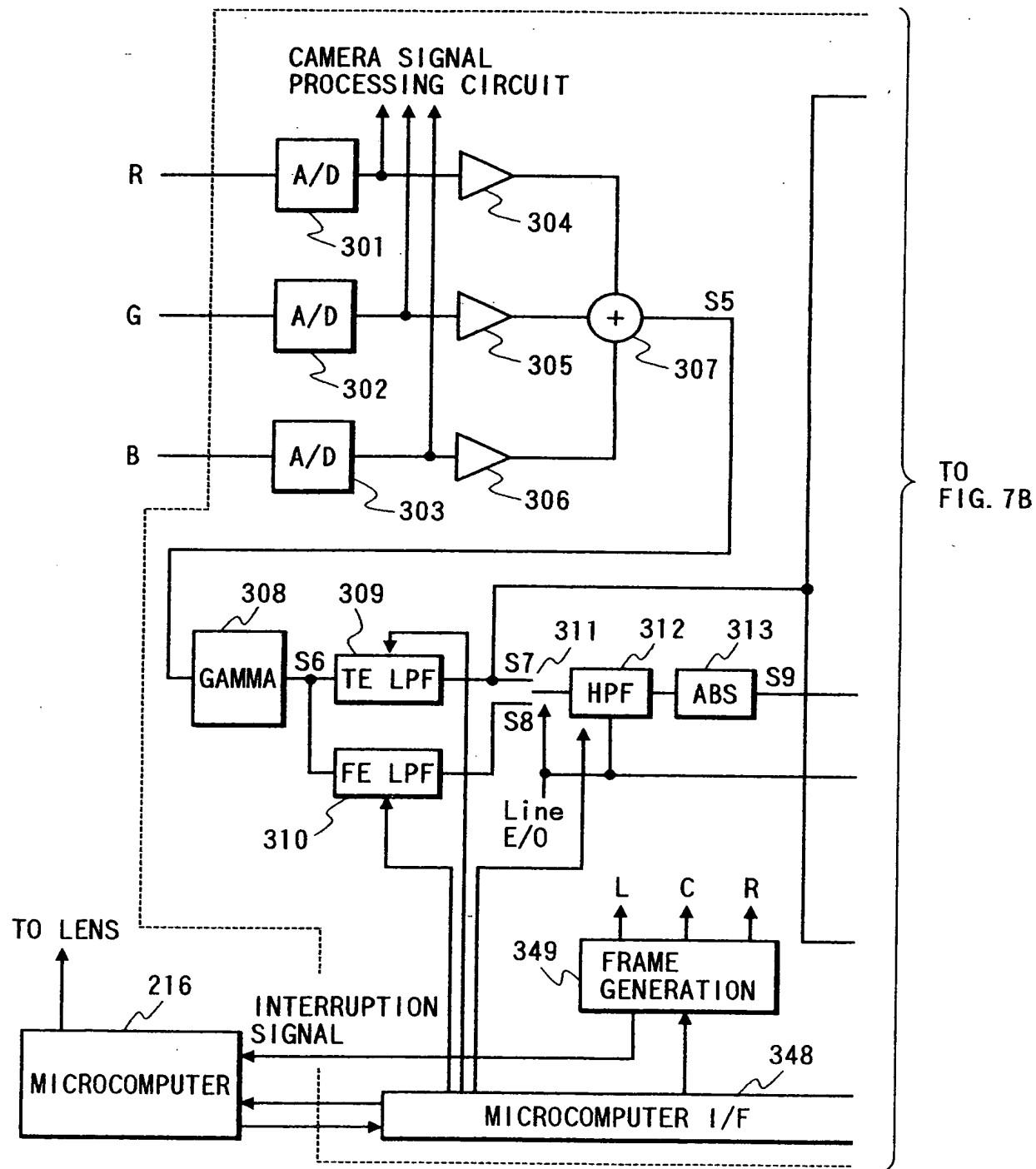


FIG. 7B

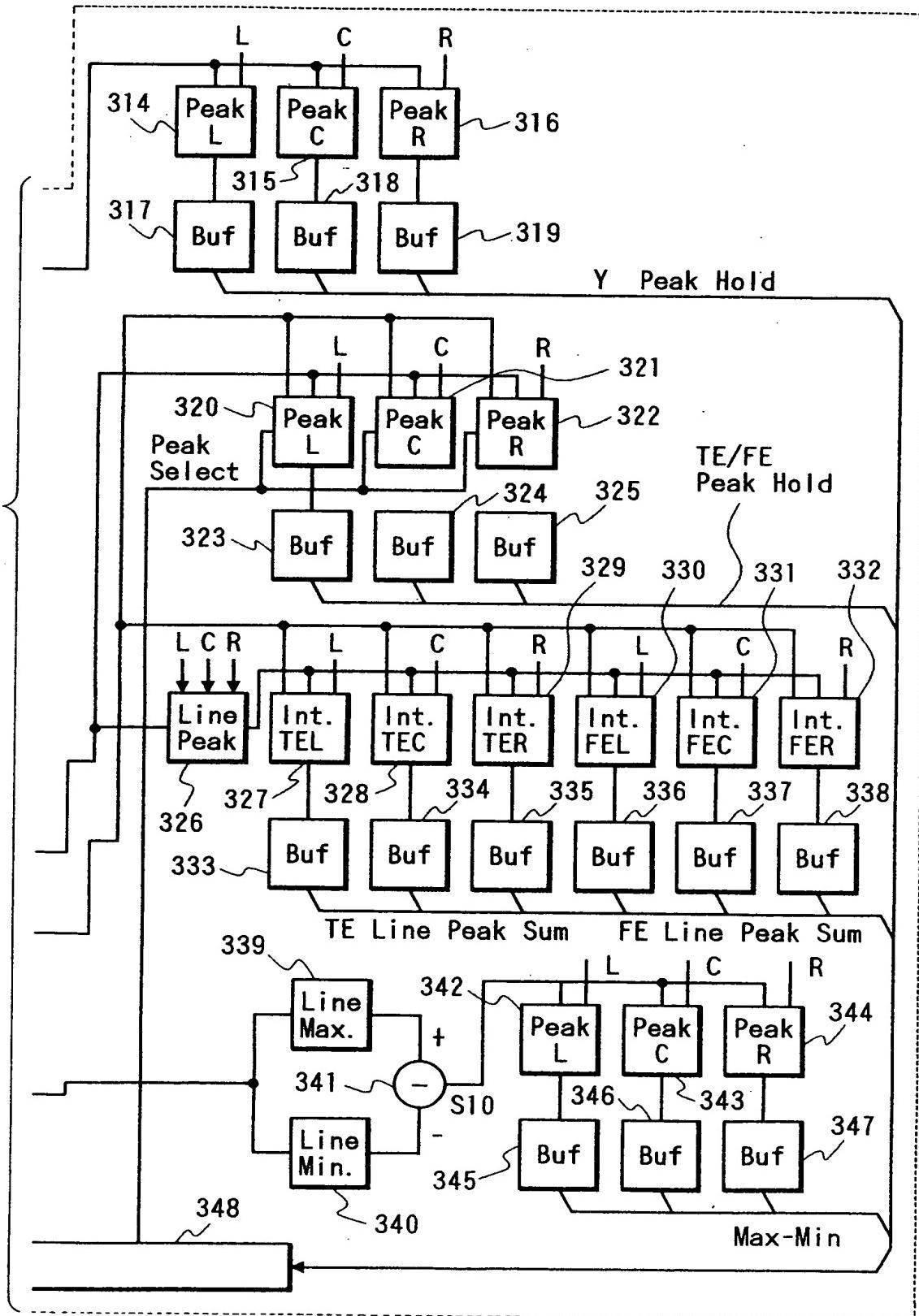
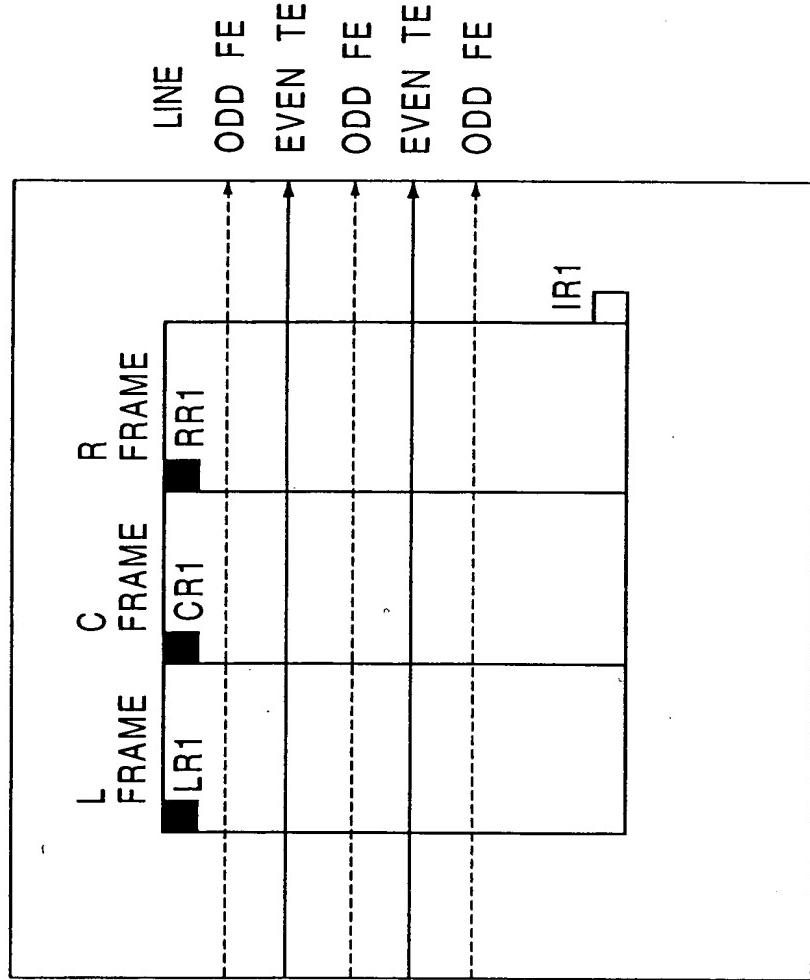
FROM
FIG. 18A

FIG. 8

→ EVEN FIELD SCANNING
→ ODD FIELD SCANNING



- RESET OF INTEGRATION CIRCUIT, PEAK-HOLD CIRCUIT
- TRANSFER OF DATA TO BUFFER, GENERATION OF IRQ

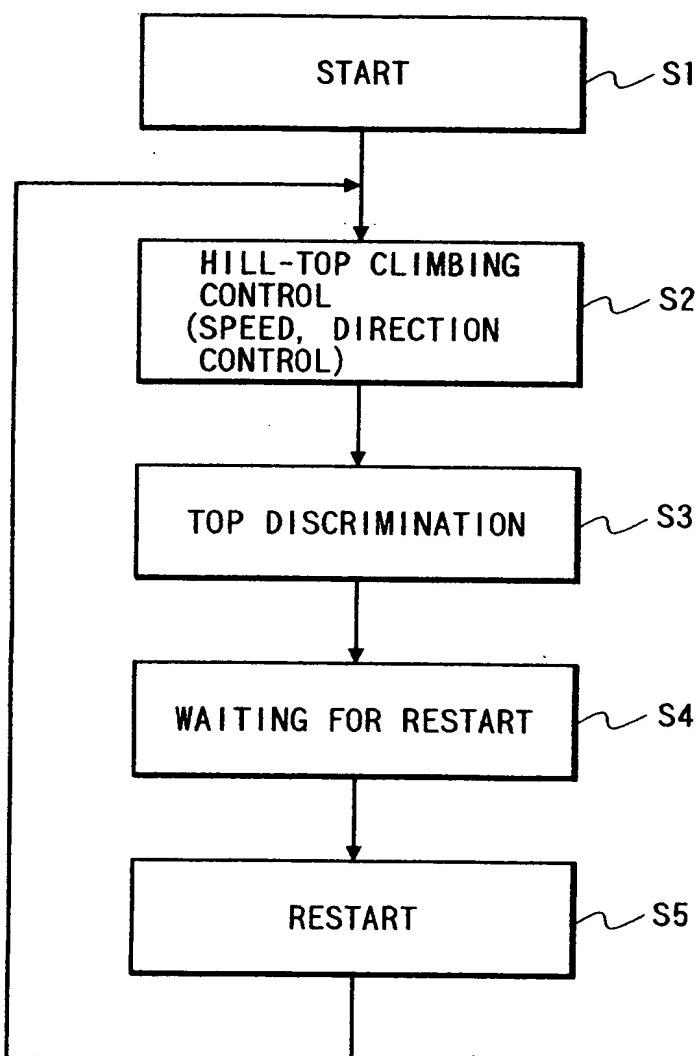
FIG. 9

FIG. 10

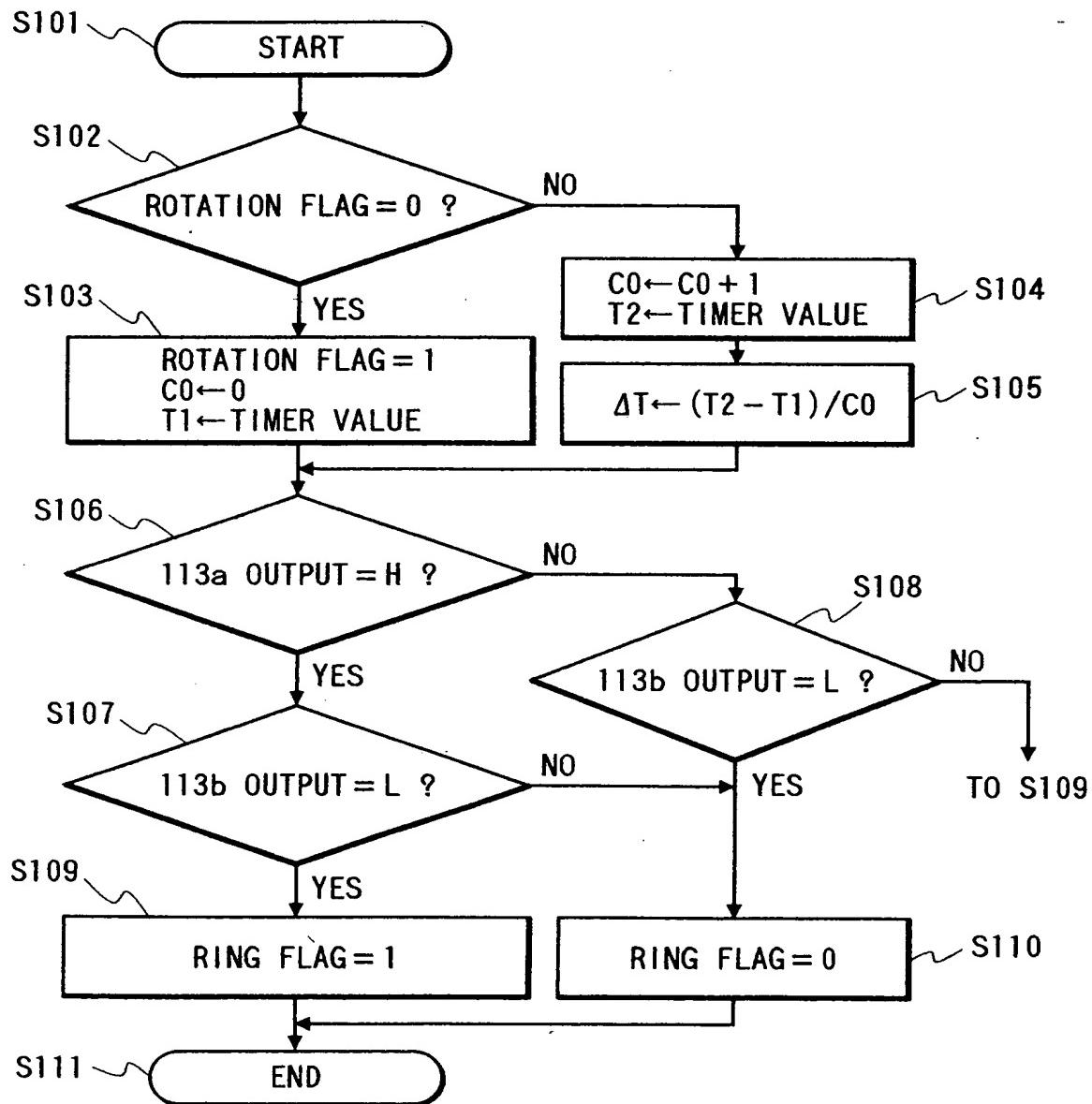


FIG. 11

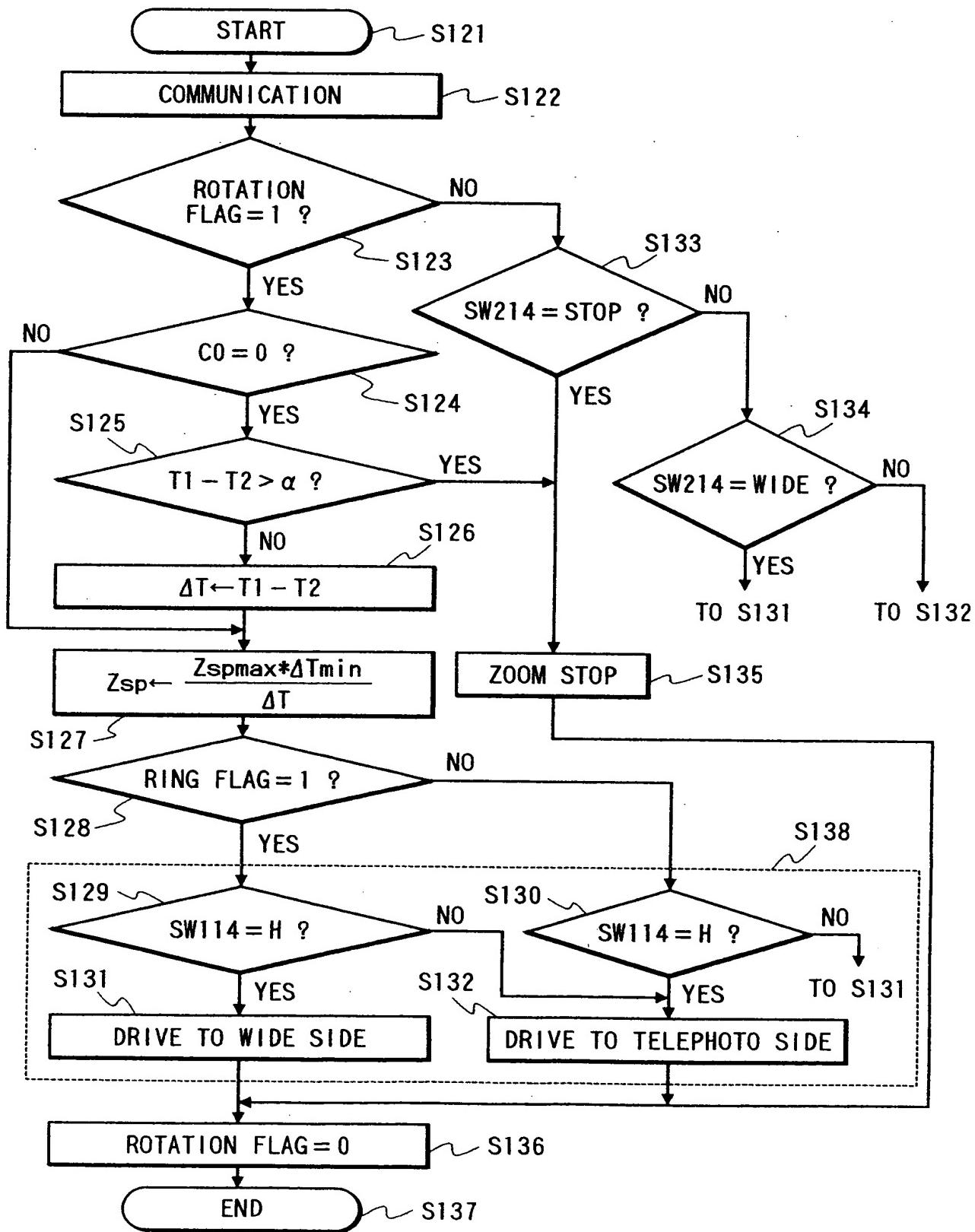


FIG. 12

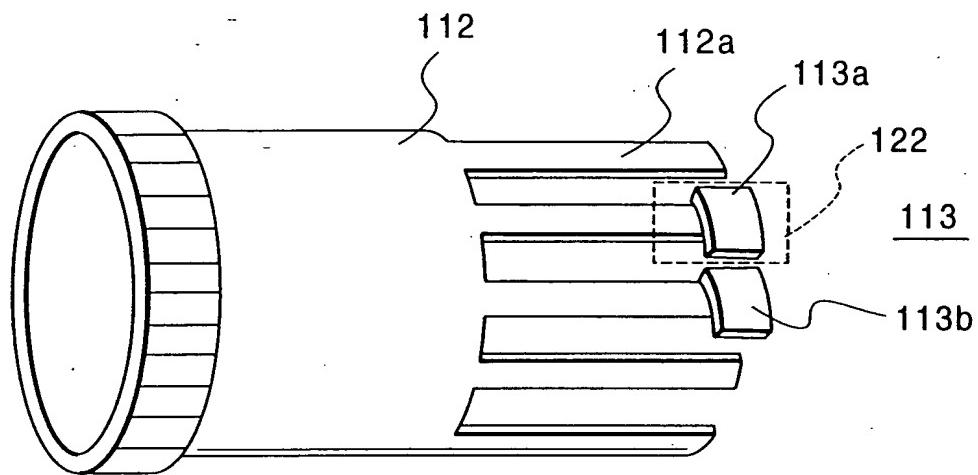
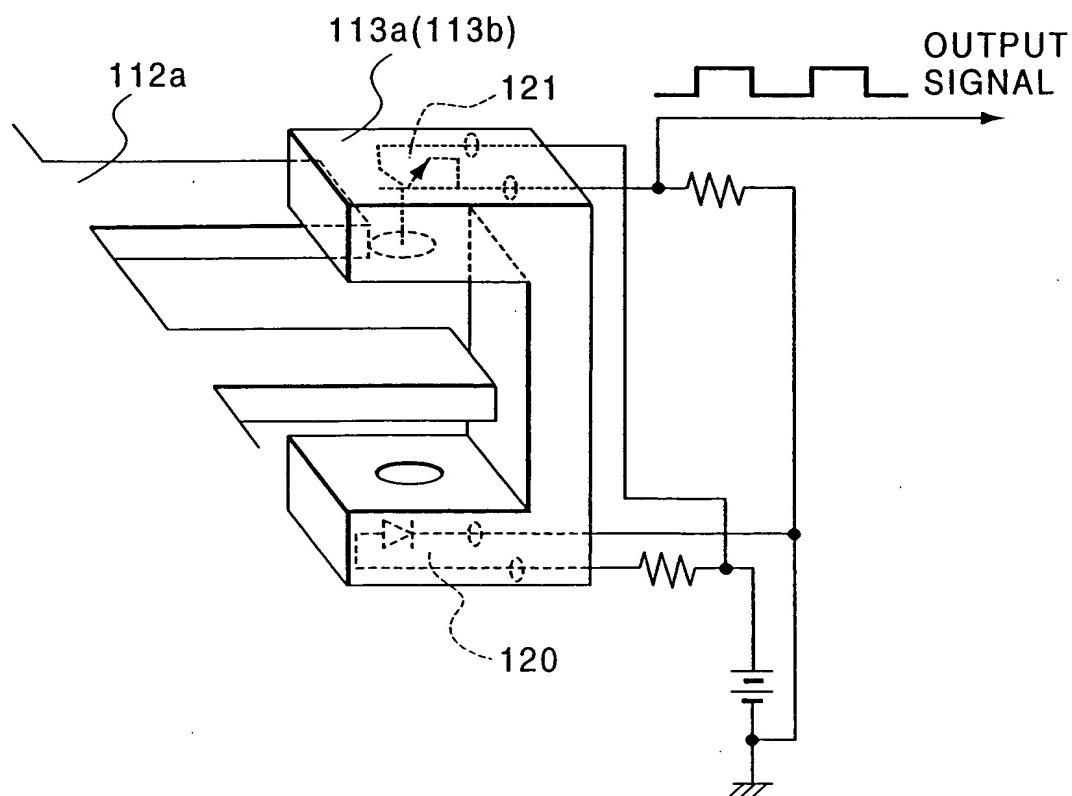


FIG. 13



TIME REQUIRED TO MOVE 112a
BY ONE GEAR TOOTH (HALF PERIOD)

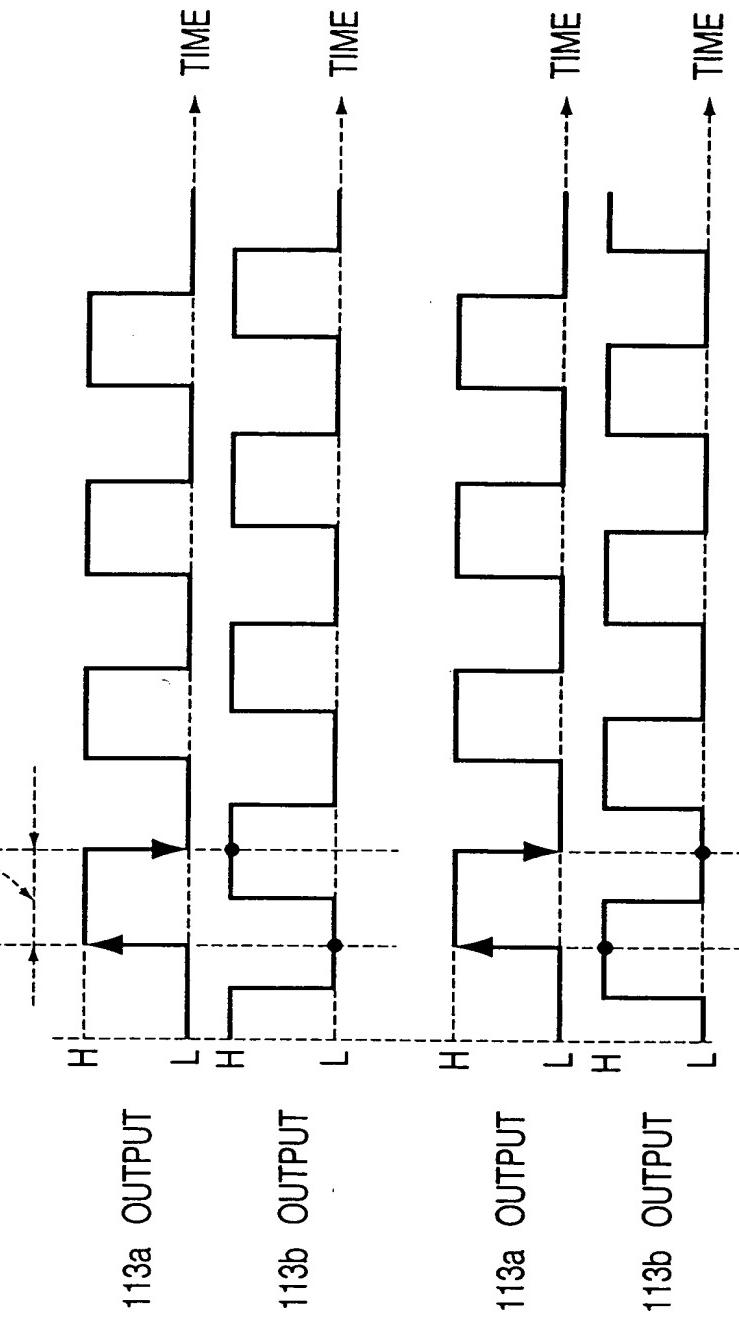


FIG. 14A

FIG. 14B

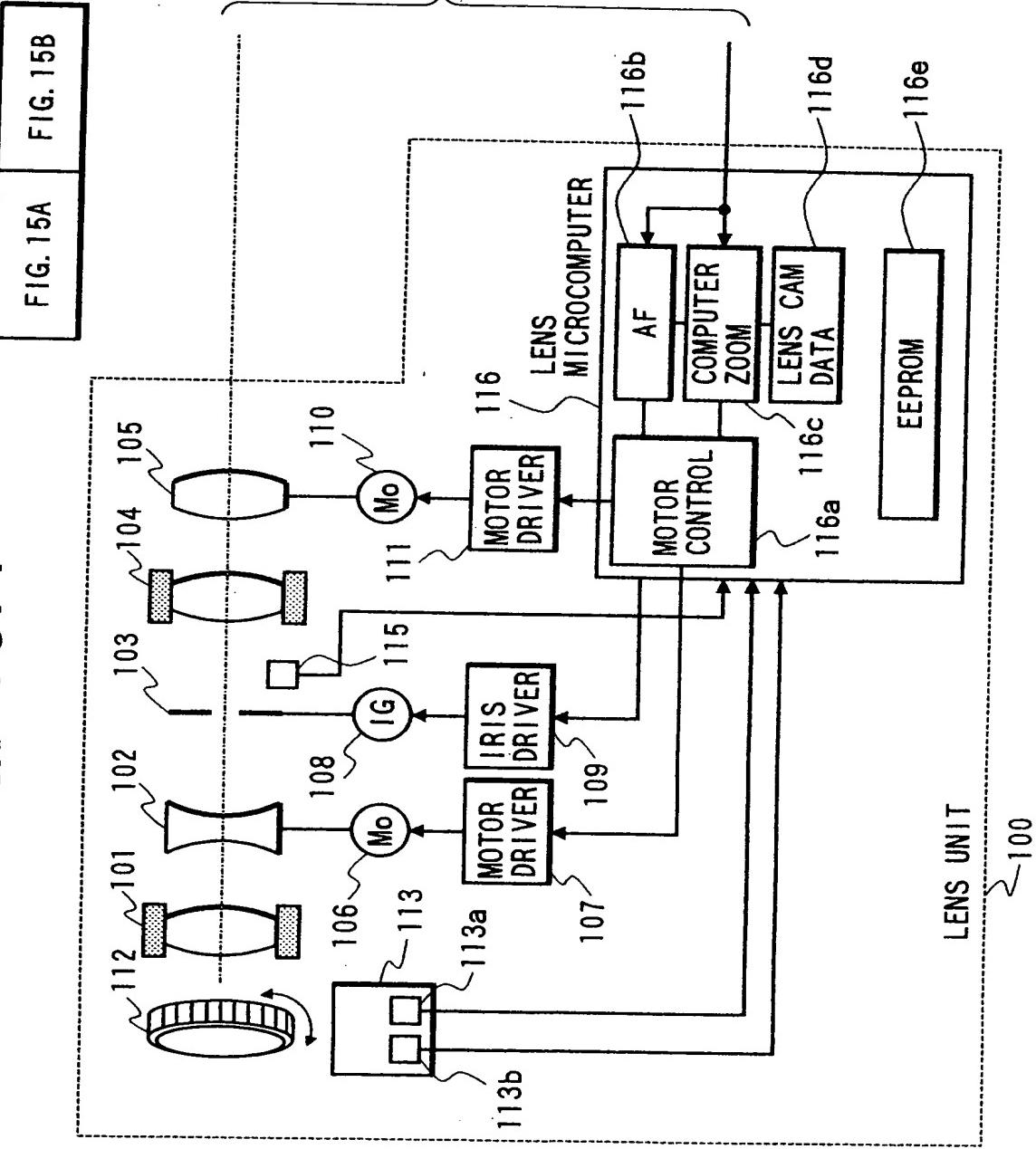
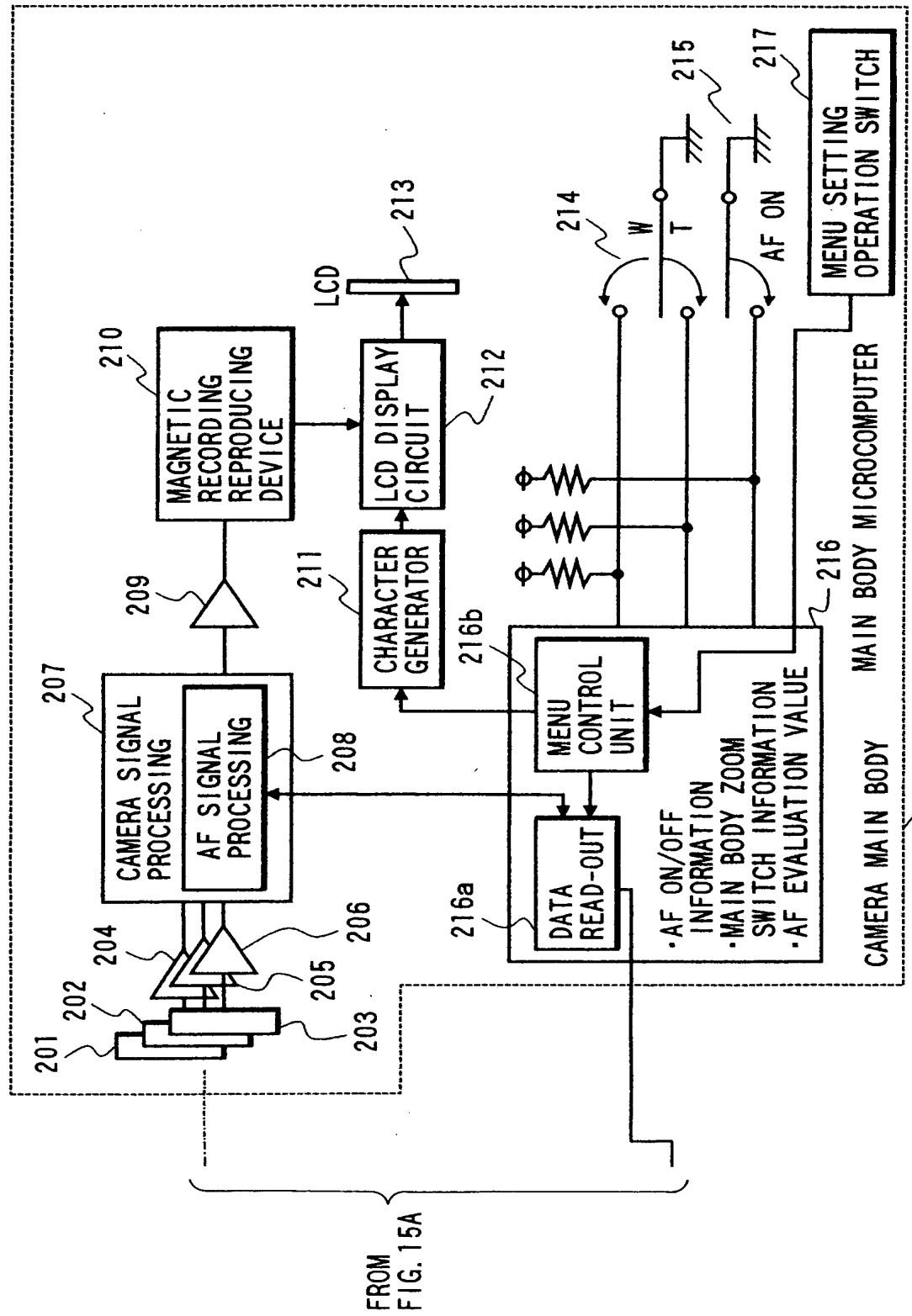
*FIG. 15A**FIG. 15*

FIG. 15B

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200

FIG. 16

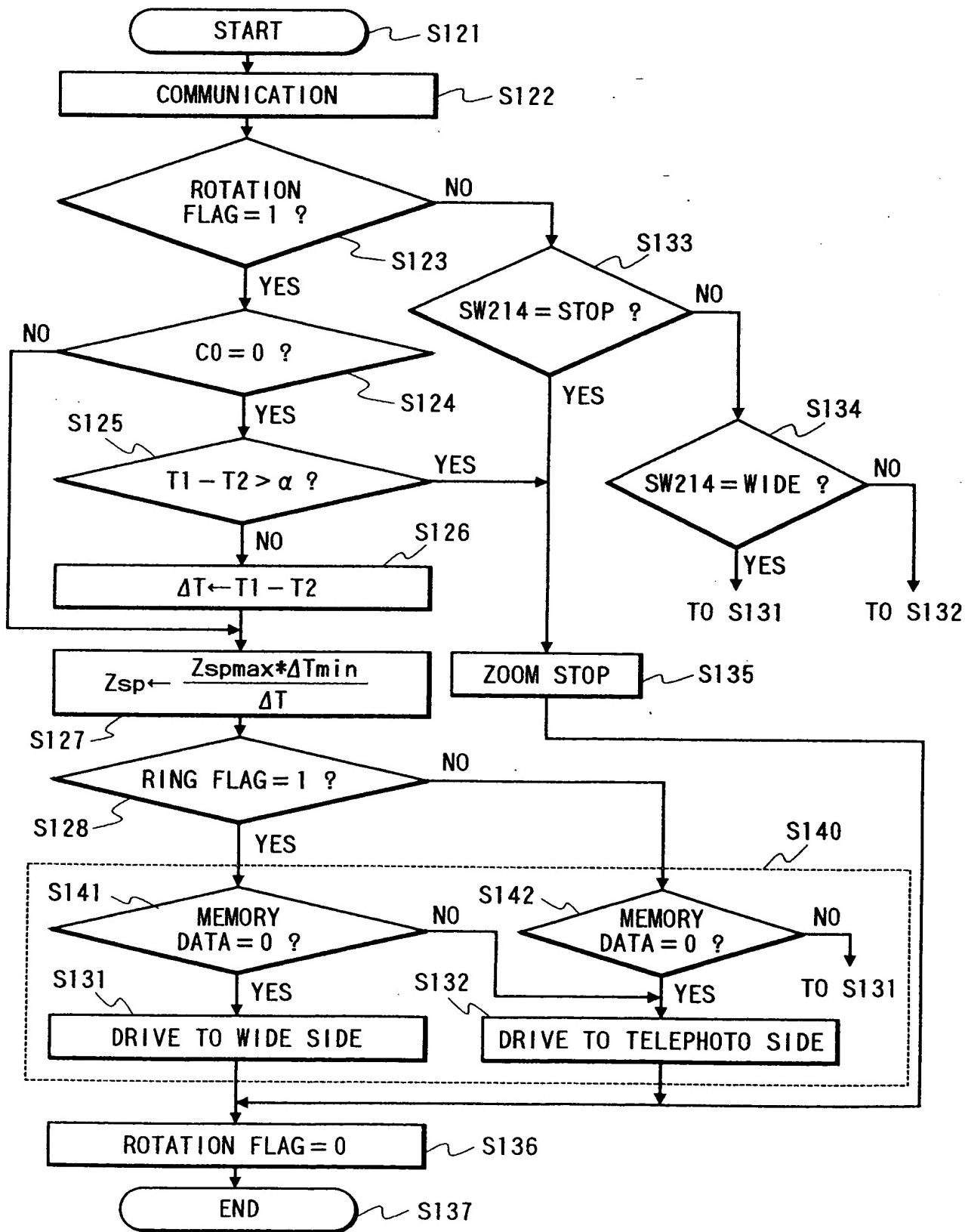


FIG. 17A

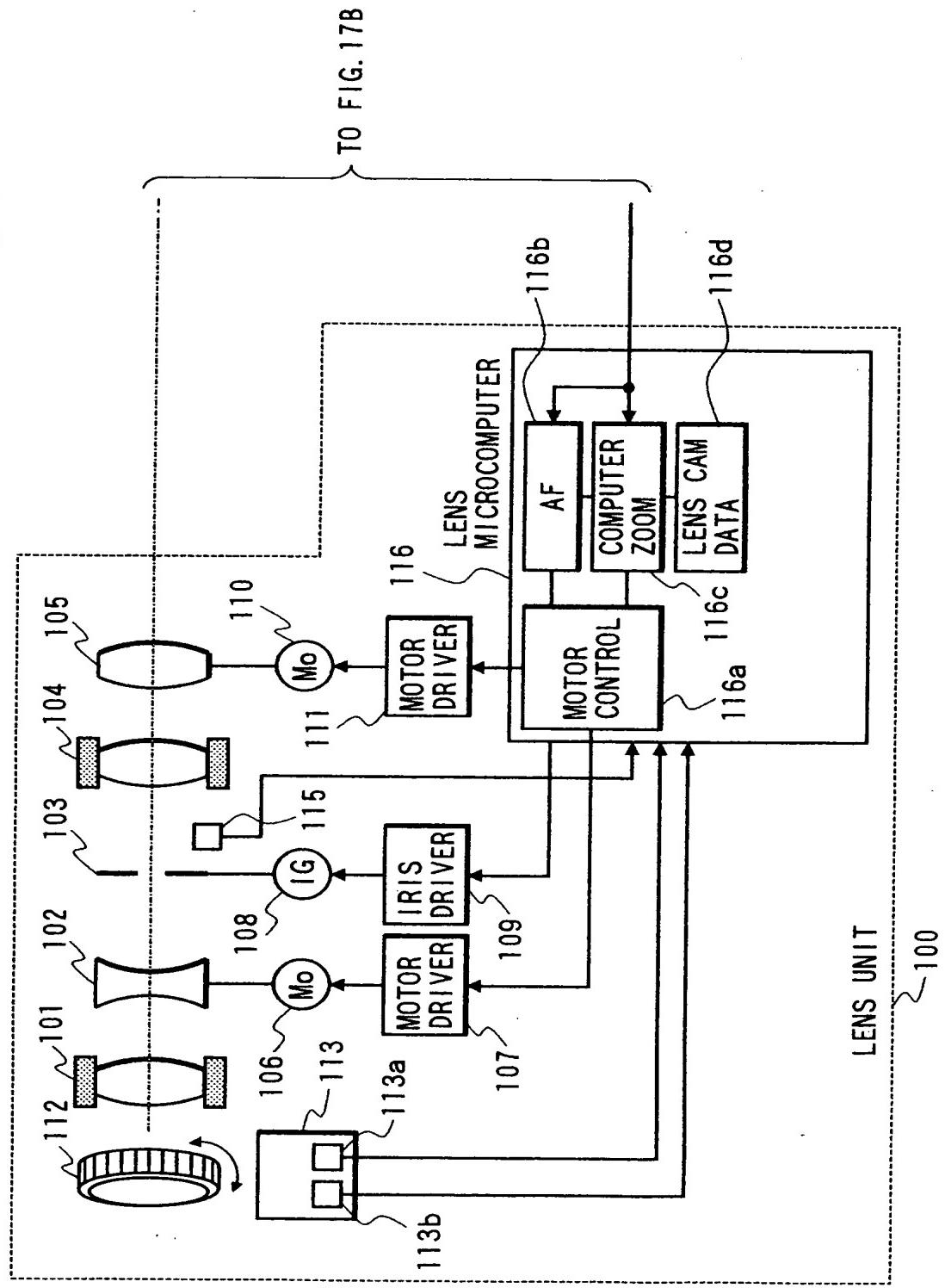


FIG. 17

FIG. 17A | FIG. 17B

FIG. 17B

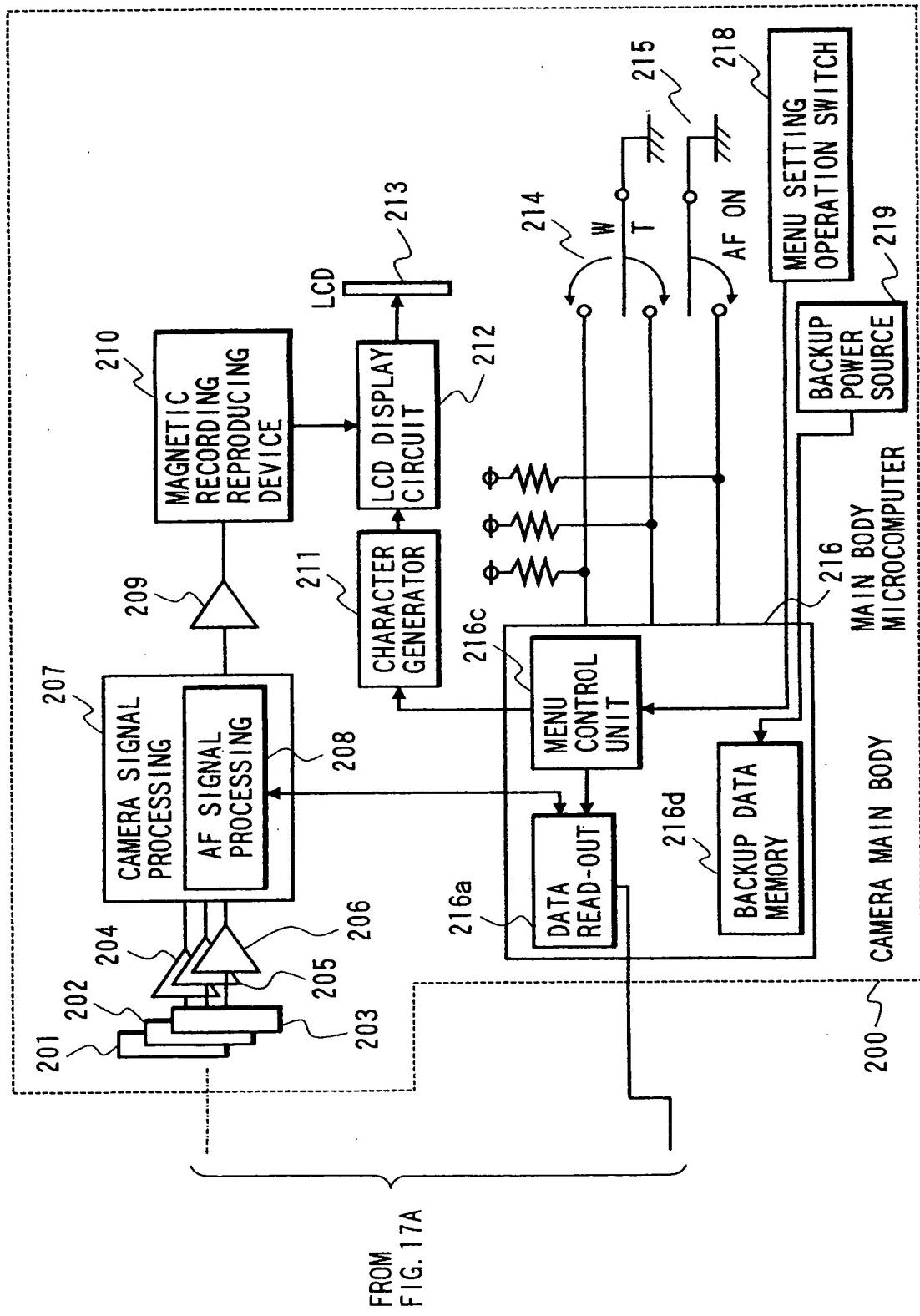


FIG. 18A

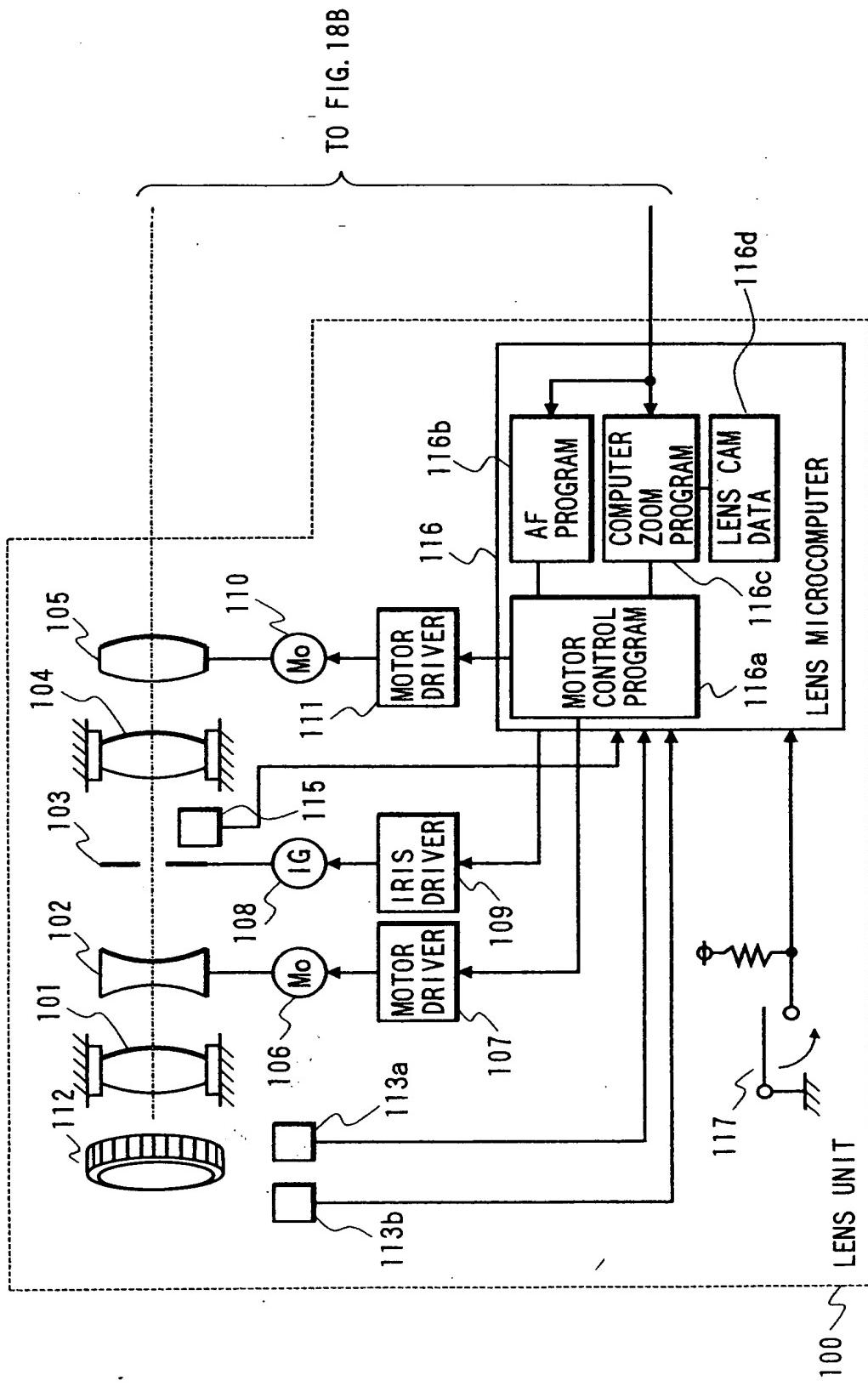


FIG. 18

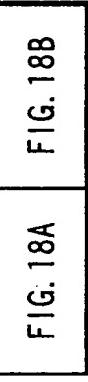


FIG. 18B

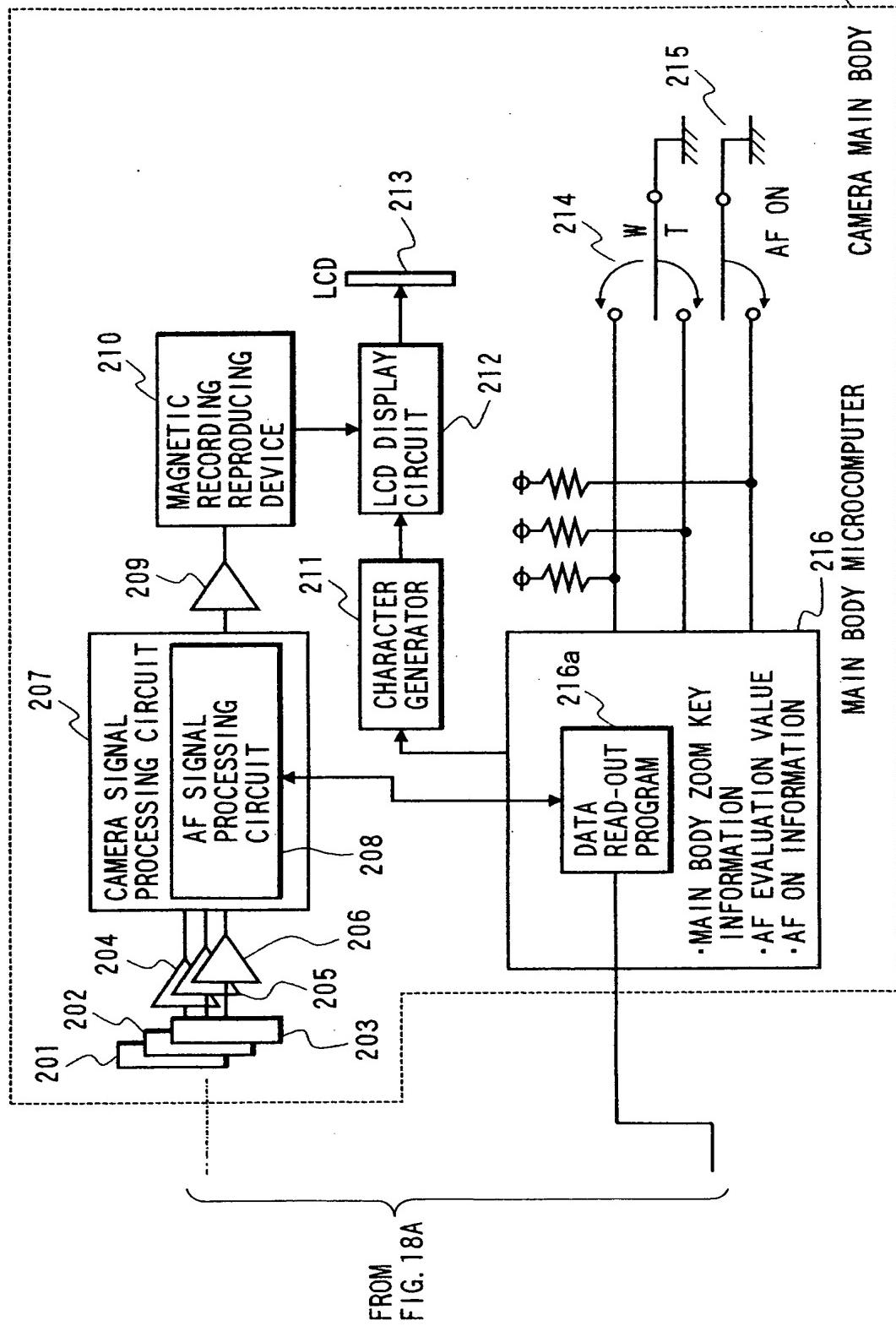


FIG. 19

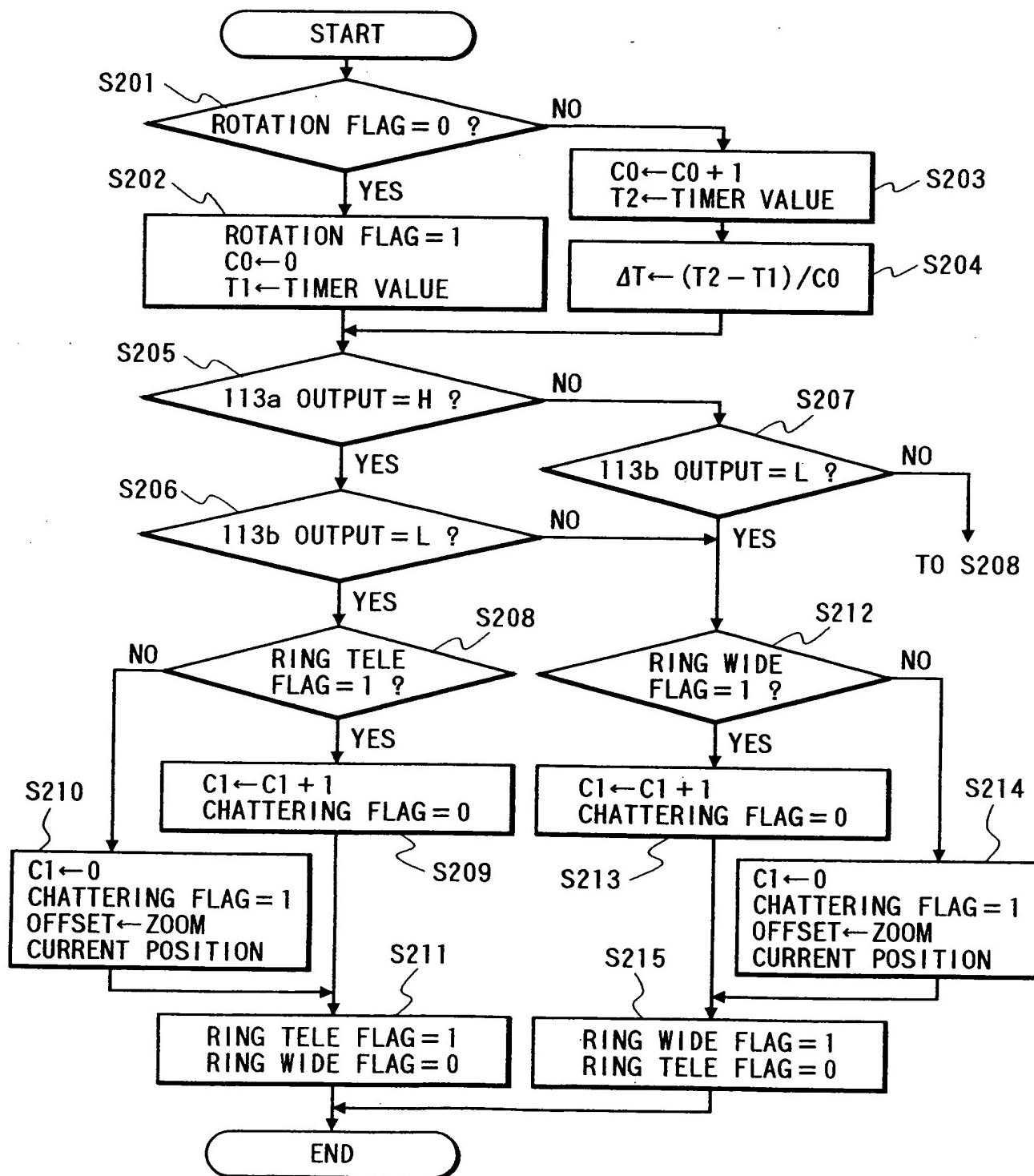


FIG. 20

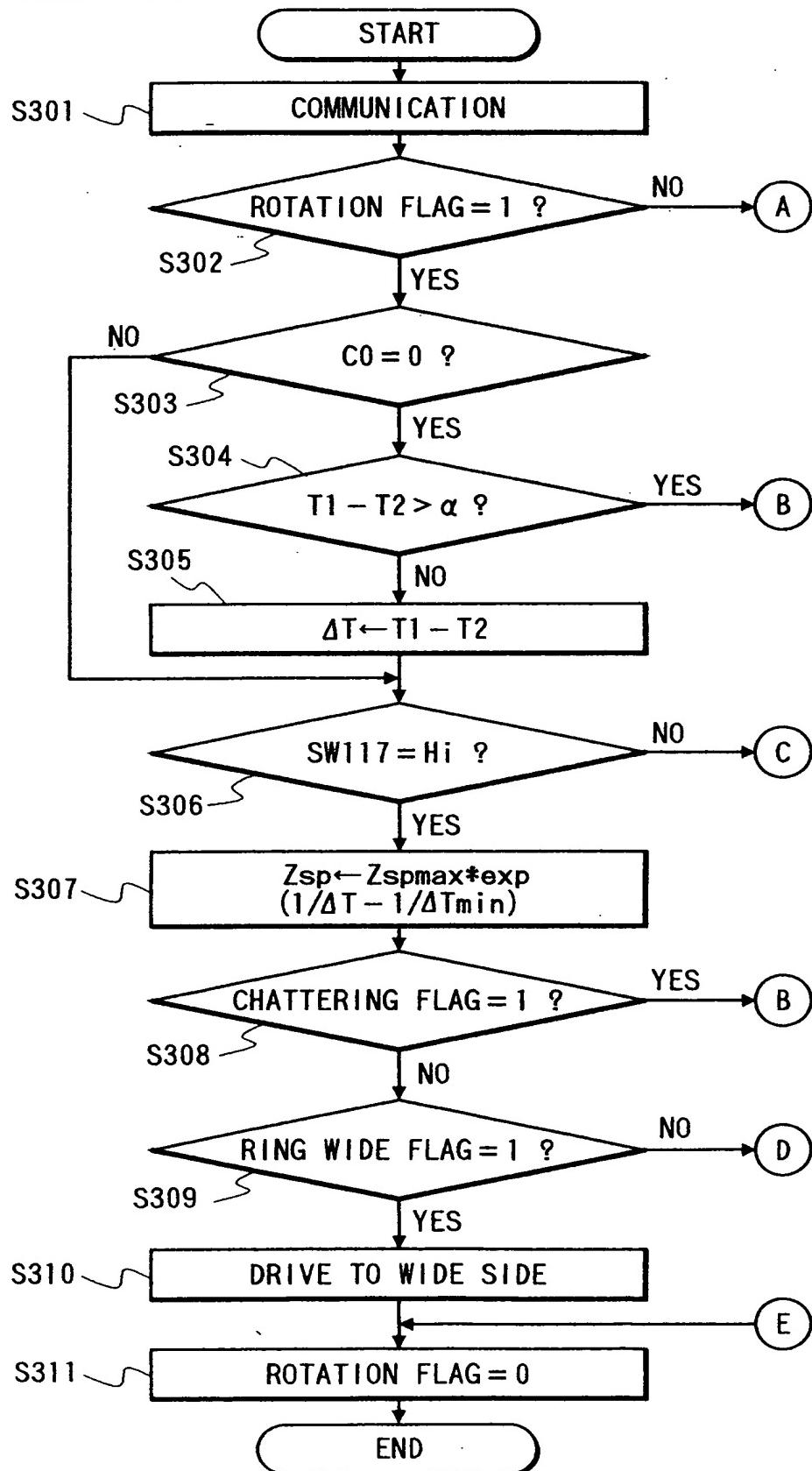


FIG. 21

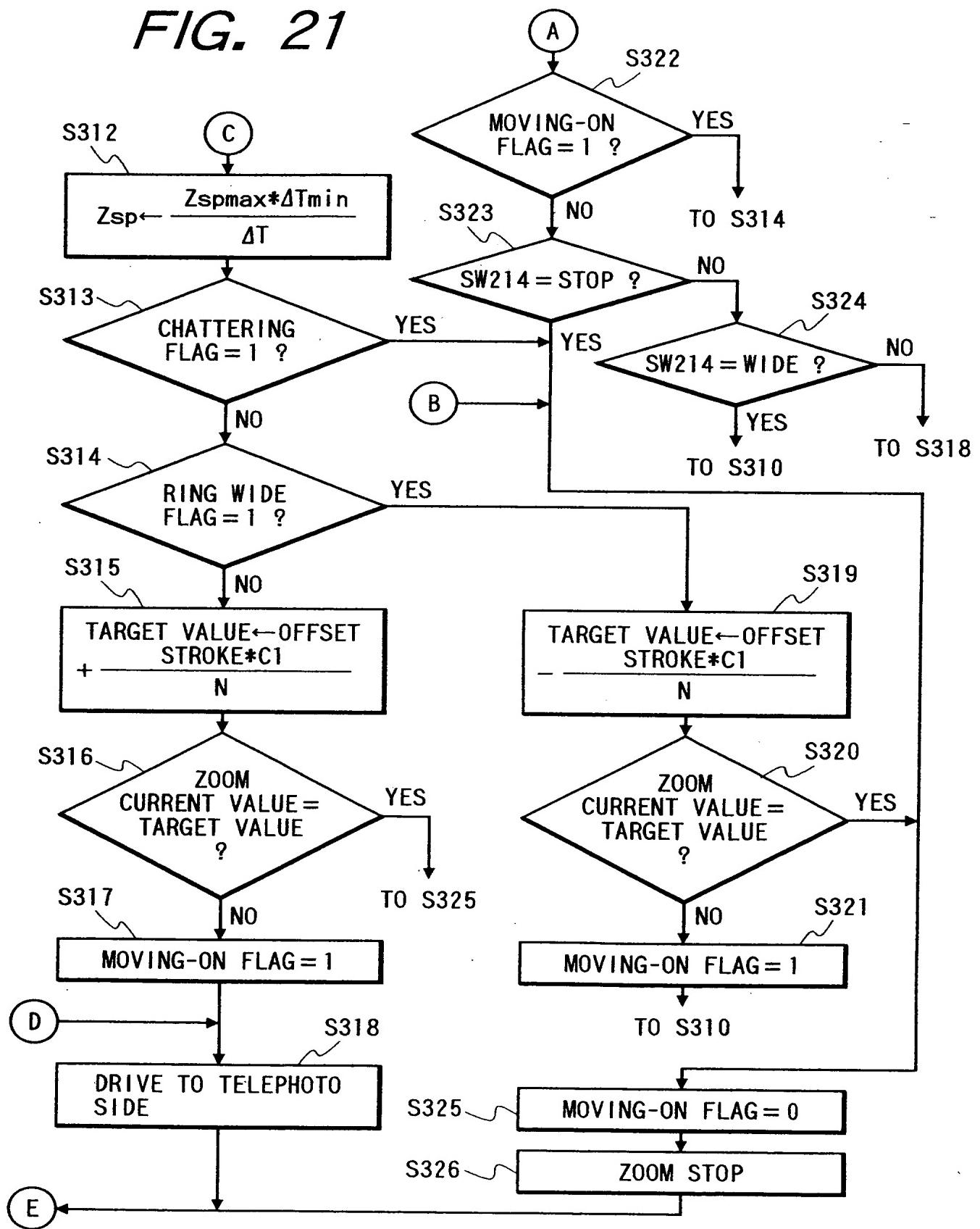


FIG. 22 A

FIG. 22

FIG. 22A | FIG. 22B

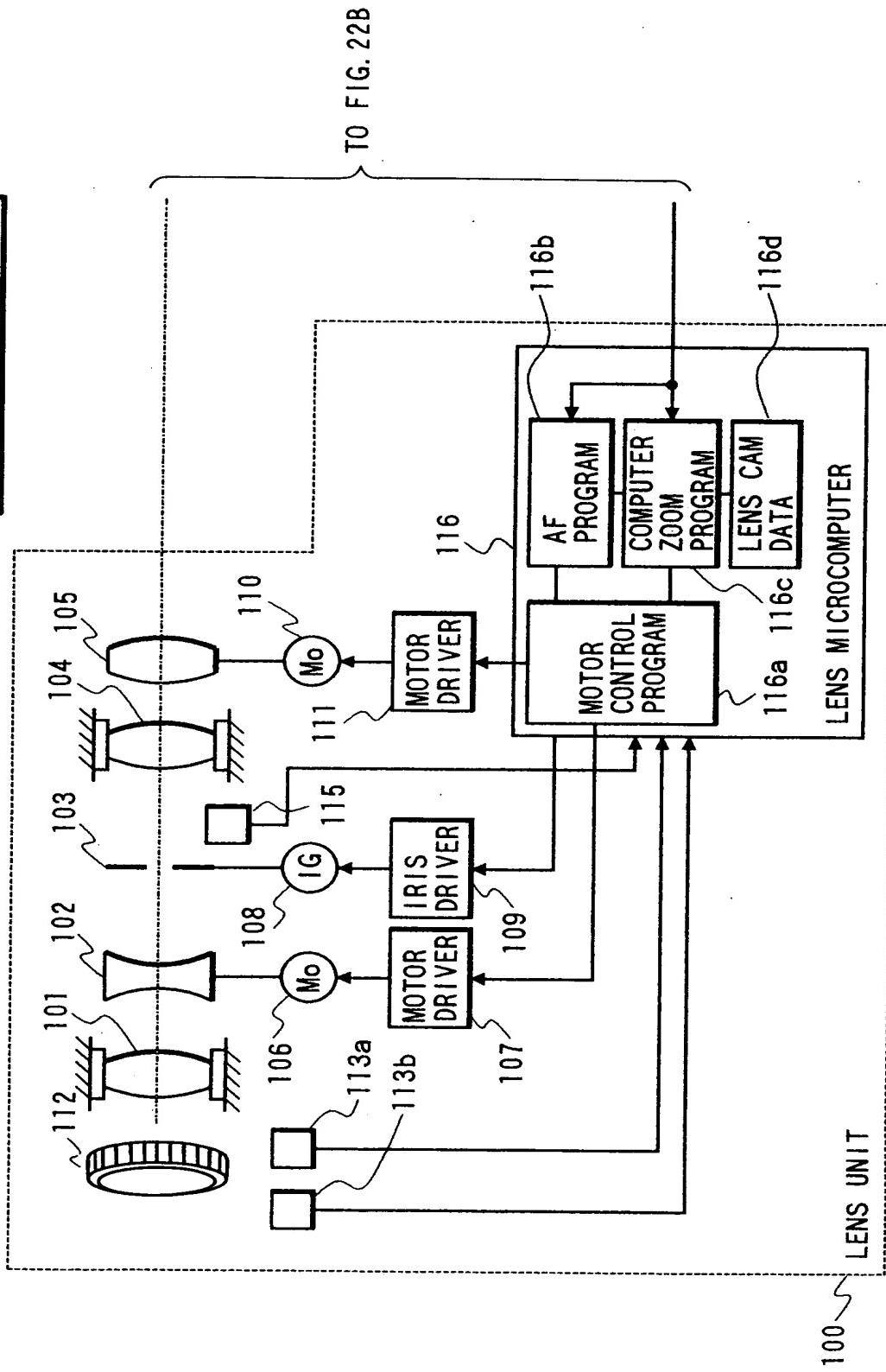
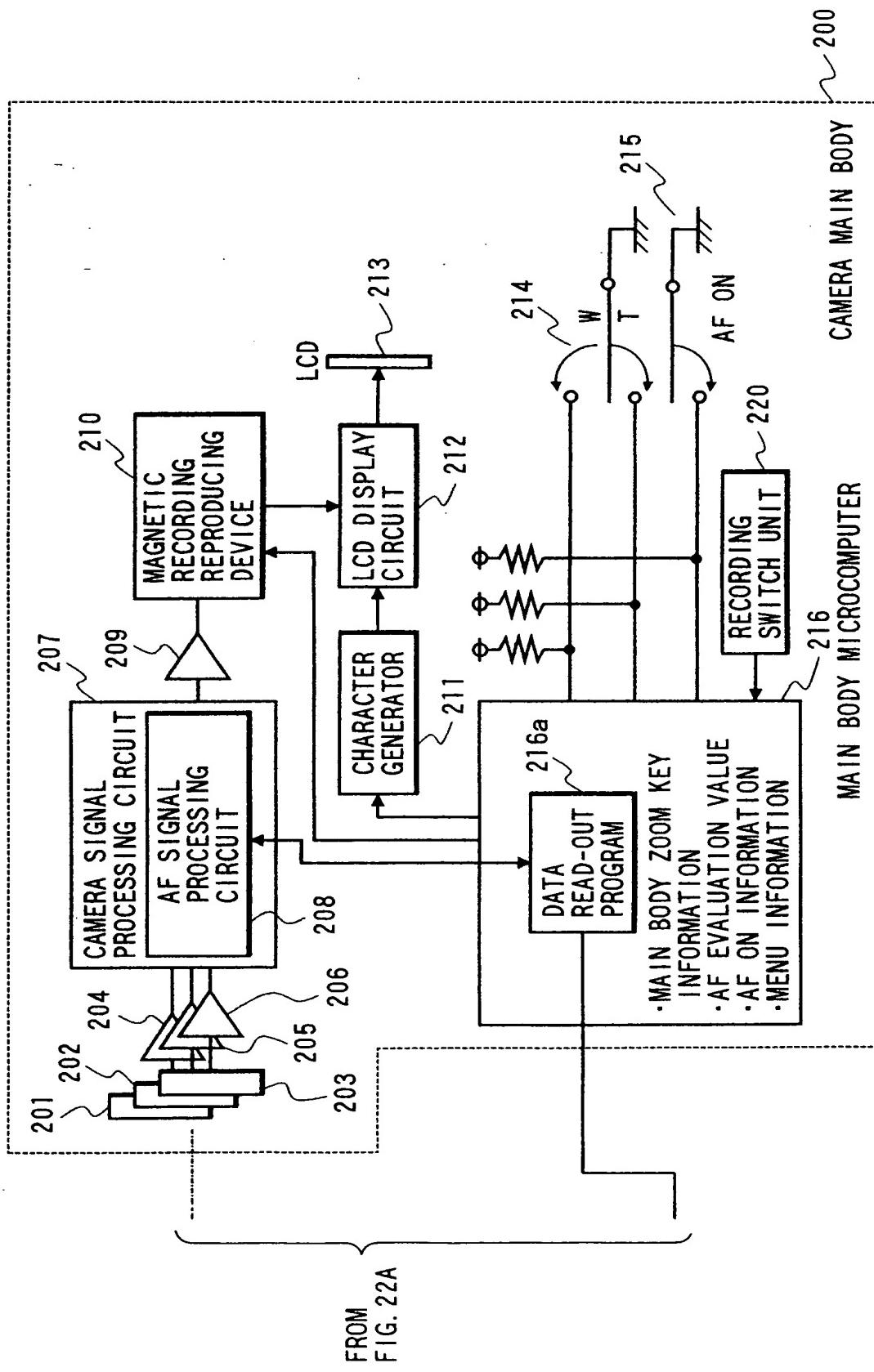


FIG. 22B



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FIG. 23

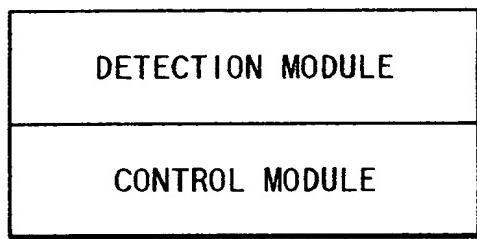


FIG. 24A

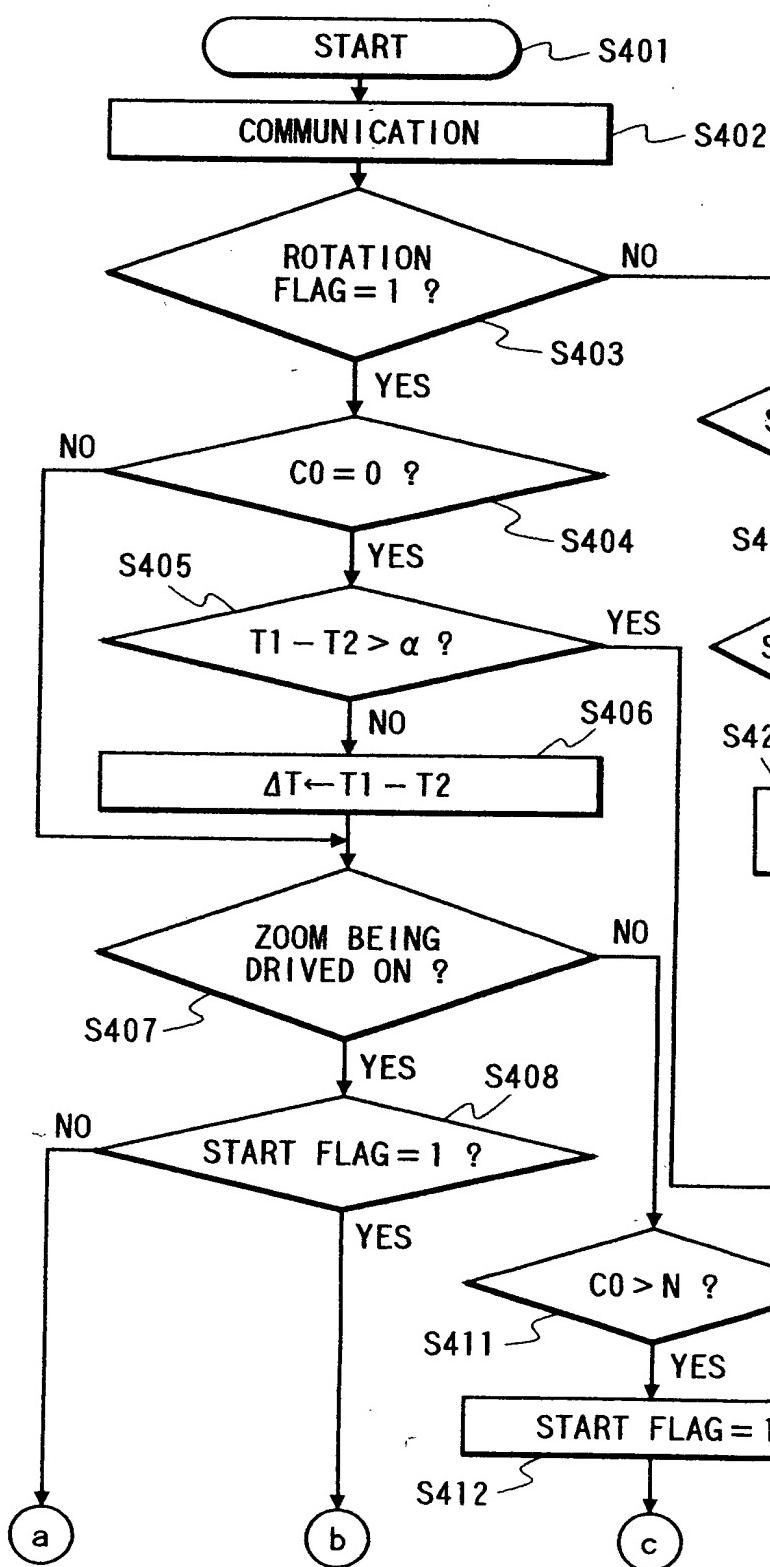


FIG. 24

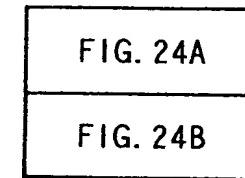
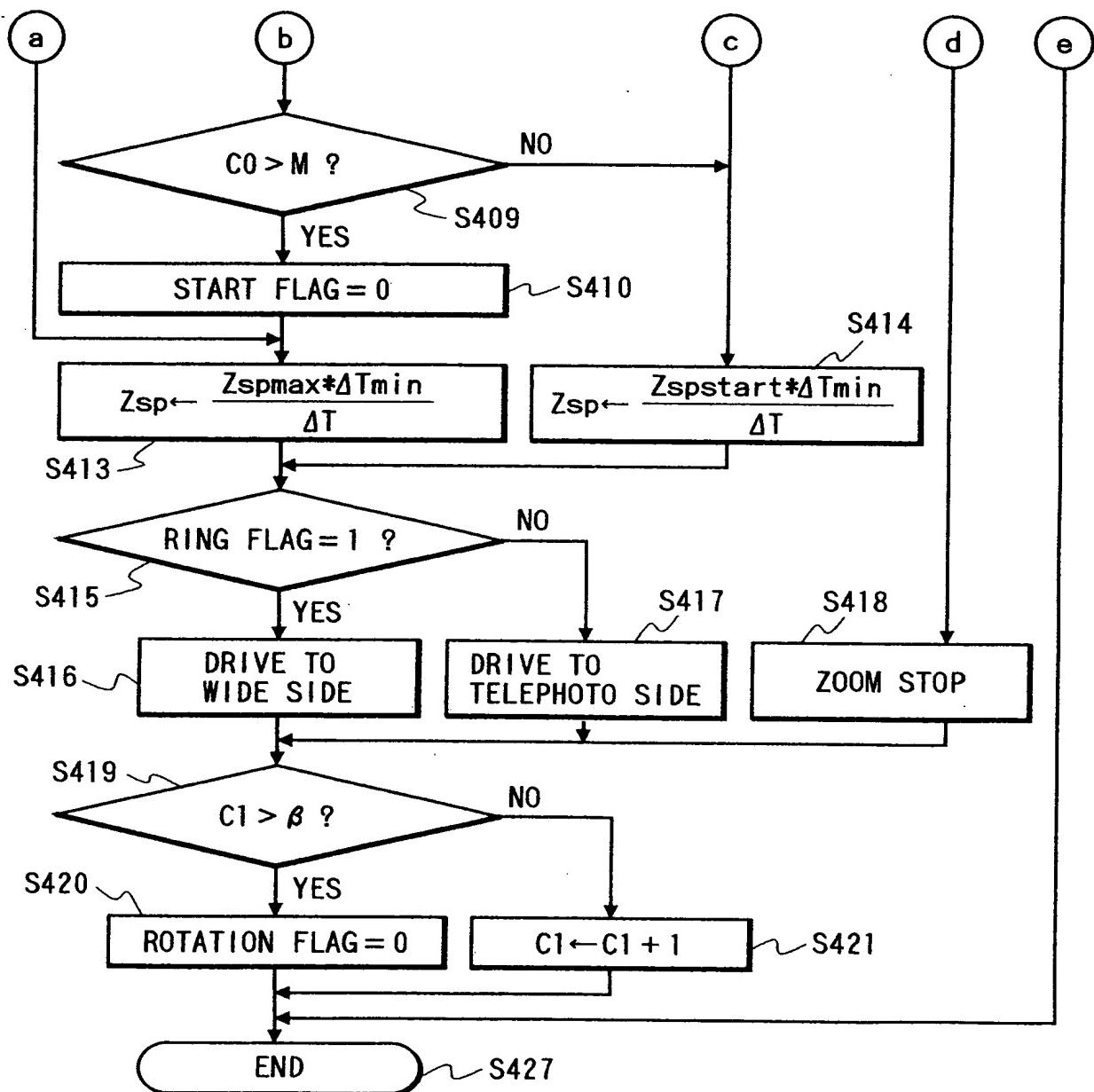


FIG. 24B



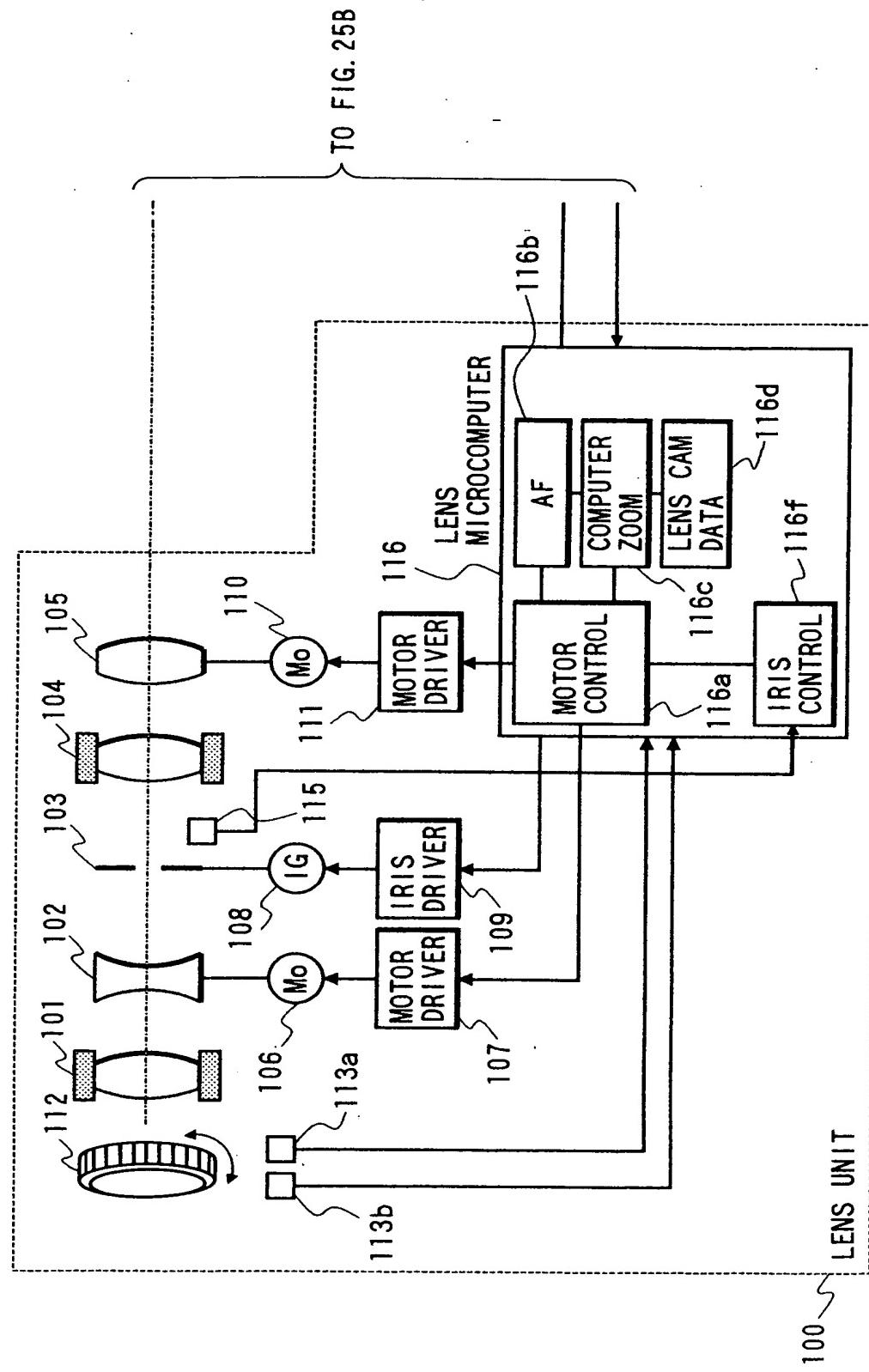
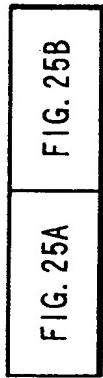
*FIG. 25A**FIG. 25*

FIG. 25B

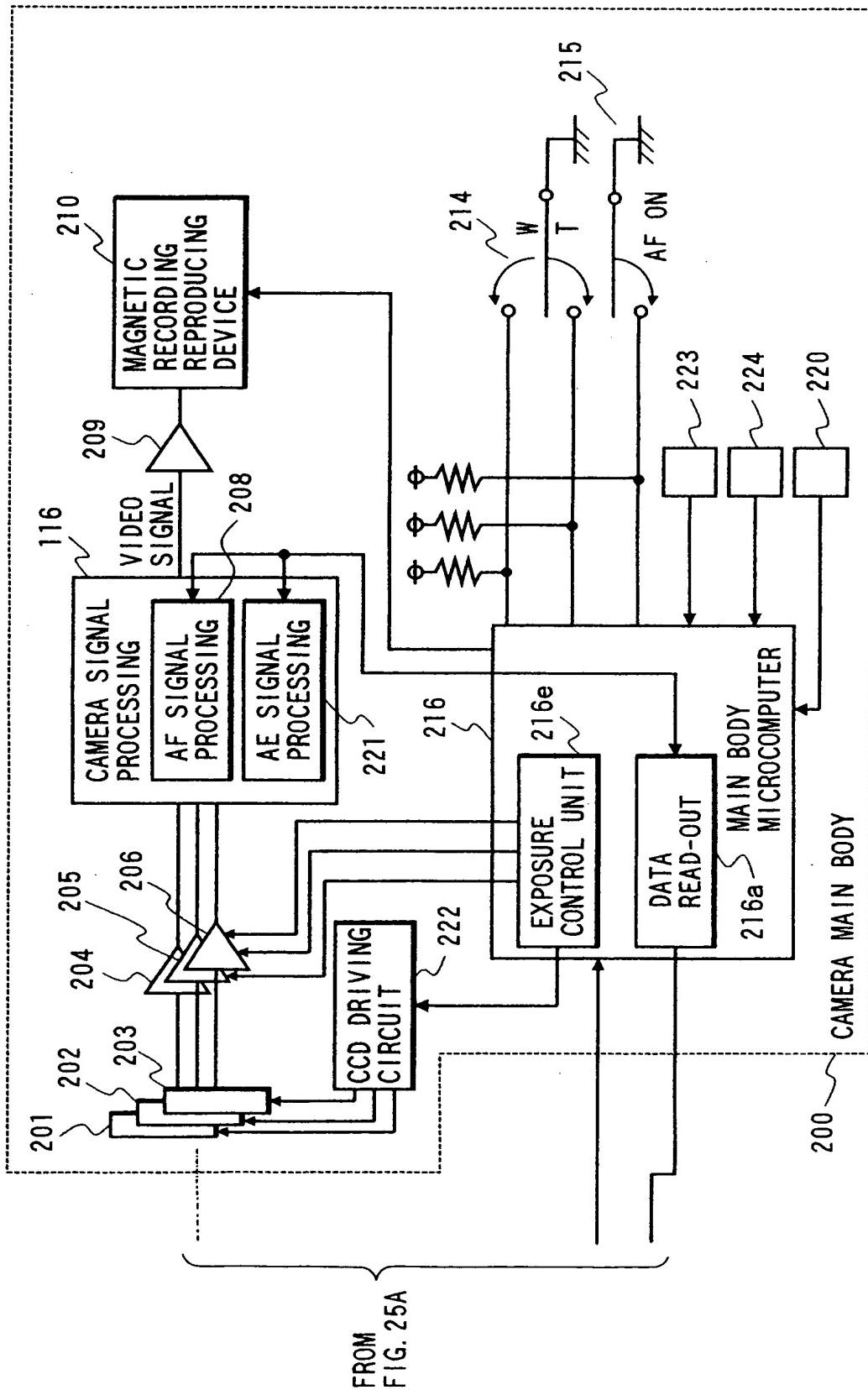


FIG. 26A

FIG. 26

FIG. 26A

FIG. 26B

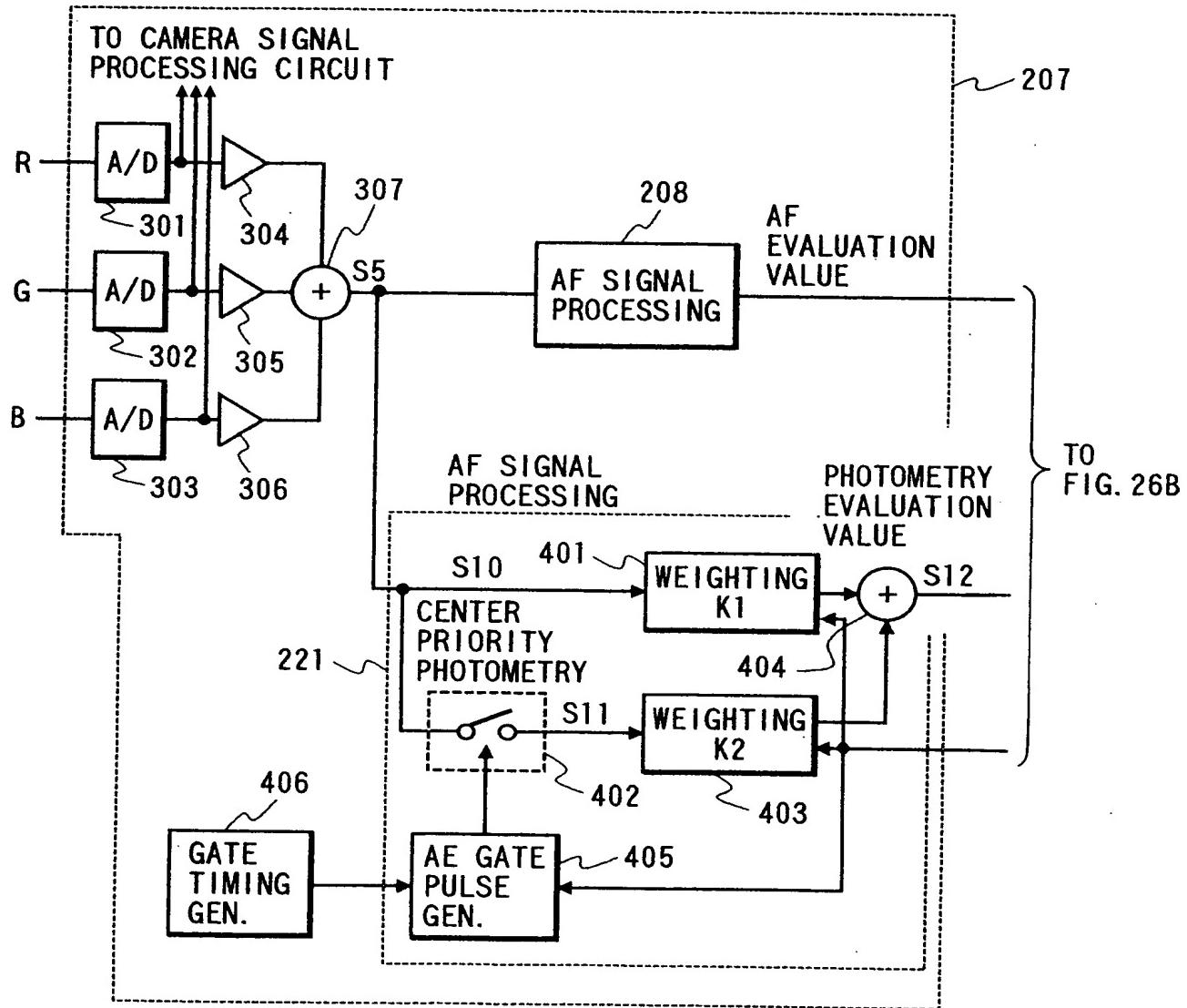


FIG. 26B

